

Wong, Eva

From: Winther, Ivan
Sent: January-22-19 9:23 AM
To: Dobko, Ashley; Davies, Sandra; Grout, Jeff; Chow, Darren; Katinic, Peter; Radford, Jeffrey; Fairweather, Patrick
Subject: RE: NC Chinook Management Measures 2019

NC Chinook Management gang,
Please find attached the Chinook stock contributions to the NBC Troll fishery catch from 2007 to 2018 as promised on the call yesterday. The data in the word file are pasted as a picture so I have included an excel file with the same information. The word file is a convenient 1 page handout with catch numbers by stock on the front and proportions on the back. Fishery timing is noted off to the right in column AB of the spreadsheet. 2018 data are preliminary.



Troll DNA



2007-2018 NBC

2007-2018 hand... Troll Chinook st...

A couple of questions that came out of our discussions were:
What was the average impact on Non-SOTH & Non-LWFR-F Chinook?; and
What was it in 2018?; and
Are later fisheries better?

This data won't answer those questions without knowing total abundance of Non-SOTH & Non-LWFR-F Fraser Chinook – or at least having an index of that abundance – and producing a harvest rate or an exploitation rate. If you only have an index of abundance you will need some way of converting the index currency (e.g. Test fishery CPUE) into actual fish because that's the metric used for the NBC Troll catch data. Note that the troll catch data here were from censuses, not from estimates, so the only variance is that associated with the genetic assignments. The contribution by Non-SOTH & Non-LWFR-F Fraser Chinook averaged 2.5% from 2007 to 2017 and was 1.3% in 2018. However, you can't jump to the conclusion that later fisheries have less impact without knowing timing through NBC or knowing pre-fishery abundance of Non-SOTH & Non-LWFR-F Fraser Chinook and calculating the HR or ER.

Also promised was the document "*Impacts to Southeast Alaska, Transboundary Rivers and Northern British Columbia Origin Chinook Salmon Stocks in Fisheries of Southeast Alaska and Northern British Columbia in 2018*" that I prepared with Ed Jones & John H. Clark from SEAK and Steve Gotch from Whitehorse. They did the TBR component and I did the NBC part. This document was presented to the PSC's Northern Panel and Transboundary Panel as well as to the Commission. 2018 data are preliminary. This is a companion document to the paper presented to the PSC in February. You should have received that already. Let me know if you need it again.



2018

SEAK-TBR-NBC ...

Regards,
Ivan

Ivan Winther
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-----Original Appointment-----

From: Dobko, Ashley

Sent: 2019-January-21 2:08 PM

To: Davies, Sandra; Winther, Ivan; Grout, Jeff; Chow, Darren; Katinic, Peter; Radford, Jeffrey

Subject: NC Chinook Management Measures 2019

When: 2019-January-21 2:00 PM-3:00 PM (UTC-08:00) Pacific Time (US & Canada).

Where: DFO CONF Vancouver-401BurrardSt-14-Neptune CONF MPO 1-877-413-4790 code 6188539

Hello,

This meeting is to touch base on a plan for any management measures for chinook in NC for 2019. Resource documents to follow.

<< File: Fraser + Nanaimo Chinook Management Units Stock Status and Fishery Mort. V2 MT Edits.xlsx >>

<< File: Management Scenarios (timeline Version) - Draft V6.xlsx >>

Thank You

Ashley

* all Chinook catch was assigned to DNA samples from 2007 to 2018

Year	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
NBC AABM Troll Licences	283	278	268	263	260	262	258	241	238	238	241	241
NBC AABM Troll Catch*	83,235	52,147	75,470	90,213	74,660	80,256	69,264	172,001	106,700	147,381	97,730	70,276
DNA analyzed (Σ N)	1,326	1,569	2,129	1,875	1,734	2,875	1,337	2,155	1,897	2,271	2,071	1,931
DNA baseline size	268	268	268	281	300	298	310	310	296	295	302	303
Code Region¹	Total	STD	Total	STD	Total	STD	Total	STD	Total	STD	Total	STD
1 UPRR	458	(270)	135	(118)	239	(119)	449	(178)	77	(87)	64	(70)
2 MURR	1,201	(392)	1,002	(237)	1,413	(281)	977	(282)	291	(180)	420	(192)
3 LWFR-F	378	(191)	92	(76)	295	(130)	72	(73)	352	(180)	37	(51)
4 NOTH	861	(294)	1,006	(248)	945	(229)	567	(194)	672	(215)	890	(236)
5 SOTH	28,120	(1166)	22,441	(740)	17,648	(740)	38,459	(1075)	19,442	(848)	18,018	(784)
6 LETH	29	(70)	26	(29)	101	(80)	129	(95)	3	(29)	72	(56)
7 ECVI	1,665	(390)	713	(182)	1,004	(231)	1,052	(256)	397	(203)	805	(207)
8 WCVI	8,049	(698)	1,602	(267)	2,685	(324)	3,361	(419)	5,318	(489)	2,905	(332)
9 SOMN	361	(213)	16	(45)	411	(157)	41	(75)	272	(193)	483	(151)
10 NOMN	1,154	(377)	689	(220)	1,635	(330)	1,768	(389)	1,479	(341)	1,572	(290)
11 NASS	588	(287)	45	(63)	274	(139)	268	(171)	383	(167)	422	(143)
12 LWFR-Sp	206	(118)	39	(36)	0	(14)	179	(112)	46	(59)	109	(88)
13 LWFR-Su	107	(78)	78	(48)	232	(100)	91	(67)	30	(37)	159	(81)
14 QCL	1,204	(269)	208	(95)	329	(113)	463	(148)	91	(68)	196	(88)
15 Alaska	22	(70)	35	(40)	12	(39)	28	(63)	7	(33)	7	(36)
17 Taku	44	(93)	12	(37)	79	(138)	49	(97)	712	(368)	14	(46)
18 Siskine	482	(277)	194	(163)	362	(202)	195	(136)	31	(66)	421	(169)
19-23 Skeena	4,000	(828)	1,357	(420)	3,313	(587)	1,826	(560)	1,484	(435)	2,256	(237)
24 Asek	3	(33)	25	(42)	32	(34)	0	(16)	0	(19)	1	(23)
25 Unuk River	87	(172)	236	(139)	528	(213)	171	(109)	50	(87)	619	(184)
50 Puget Sound	996	(311)	214	(109)	623	(178)	0	(10)	45	(50)	1	(10)
51 Juan de Fuca	33	(70)	1	(10)	61	(54)	0	(10)	45	(50)	1	(10)
52 Coastal_Wash	3,049	(595)	3,631	(521)	5,668	(675)	7,543	(726)	5,453	(4898)	11,905	(705)
53 Low_Col	1,050	(314)	746	(207)	1,234	(250)	905	(304)	870	(305)	1,644	(296)
54 Up_Col-Sp	1	(34)	7	(18)	0	(15)	10	(34)	2	(22)	0	(17)
55 Up_Col-Su/F	9,127	(833)	8,686	(586)	15,890	(801)	10,482	(812)	11,808	(810)	17,626	(819)
56 Snake-Sp/Su	165	(171)	134	(153)	22	(57)	322	(256)	2,186	(4305)	6	(37)
57 Snake-F	1,510	(453)	1,018	(292)	2,556	(504)	1,267	(471)	2,366	(471)	773	(341)
58 North & Central_O	13,058	(1003)	5,711	(592)	13,763	(1010)	13,614	(914)	16,462	(5155)	14,066	(780)
59 South_Oregon_coas	4,200	(675)	1,759	(412)	3,380	(629)	4,046	(594)	3,397	(559)	3,252	(448)
61 Klamath/Trinity	37	(65)	31	(68)	75	(66)	1	(15)	1	(18)	9	(32)
62 Mid_Col-Sp	239	(188)	57	(102)	12	(42)	98	(100)	108	(140)	188	(115)
63 Up_Willamette	723	(283)	92	(76)	608	(188)	1,758	(346)	820	(241)	1,304	(249)
64 Cent_Val-F	6	(57)	90	(77)	36	(60)	18	(54)	3	(32)	3	(32)
65 Cent_Val-Sp	24	(91)	17	(34)	1	(16)	1	(16)	2	(21)	10	(25)
66 Coastal_Californi	1	(16)	0	(8)	1	(11)	0	(7)	0	(7)	0	(11)
Total	83,235		52,147		75,470		90,213		74,660		80,256	
							69,264		106,700		147,381	
												70,276
Year	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
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DNA baseline size	268	268	268	281	300	298	310	310	296	295	302	303

Code	Region1	Total	STD	Total	STD	Total	STD	Total	STD	Total	STD	Total	STD	Total	STD	Total	STD	Total	STD
1	UPFR	0.6%	(0.3%)	0.3%	(0.2%)	0.5%	(0.2%)	0.1%	(0.1%)	0.1%	(0.1%)	0.2%	(0.2%)	0.2%	(0.1%)	0.2%	(0.1%)	0.1%	(0.1%)
2	MJFR	1.4%	(0.5%)	1.9%	(0.5%)	1.1%	(0.4%)	0.4%	(0.2%)	0.5%	(0.2%)	0.2%	(0.1%)	0.8%	(0.3%)	0.8%	(0.3%)	0.7%	(0.2%)
3	LWFR-F	0.5%	(0.2%)	0.2%	(0.1%)	0.1%	(0.1%)	0.5%	(0.2%)	0.0%	(0.0%)	0.1%	(0.1%)	0.1%	(0.1%)	0.1%	(0.1%)	0.6%	(0.2%)
4	SOTH	1.0%	(0.4%)	1.9%	(0.5%)	0.6%	(0.2%)	0.9%	(0.3%)	1.1%	(0.3%)	0.8%	(0.3%)	0.7%	(0.3%)	0.4%	(0.2%)	0.4%	(0.2%)
5	NOTH	33.8%	(1.4%)	43.0%	(1.4%)	42.6%	(1.2%)	26.0%	(1.1%)	22.5%	(1.0%)	19.7%	(1.1%)	19.5%	(1.0%)	18.5%	(0.9%)	18.8%	(0.9%)
6	LWTH	0.0%	(0.1%)	0.0%	(0.1%)	0.1%	(0.1%)	0.0%	(0.0%)	0.1%	(0.1%)	0.0%	(0.0%)	0.3%	(0.2%)	0.0%	(0.1%)	0.0%	(0.0%)
7	ECVI	2.0%	(0.5%)	1.4%	(0.3%)	1.2%	(0.3%)	0.5%	(0.3%)	1.0%	(0.3%)	0.4%	(0.2%)	0.5%	(0.3%)	0.6%	(0.2%)	1.4%	(0.3%)
8	WCVI	9.7%	(0.8%)	3.1%	(0.5%)	3.7%	(0.4%)	7.1%	(0.7%)	3.6%	(0.4%)	4.2%	(0.6%)	3.8%	(0.2%)	3.3%	(0.3%)	10.9%	(0.8%)
9	SOMN	0.4%	(0.3%)	0.0%	(0.1%)	0.5%	(0.2%)	0.4%	(0.3%)	0.6%	(0.2%)	0.3%	(0.2%)	0.1%	(0.1%)	0.1%	(0.1%)	0.1%	(0.1%)
10	NOMN	1.4%	(0.5%)	1.3%	(0.4%)	2.0%	(0.4%)	2.0%	(0.5%)	2.0%	(0.4%)	2.2%	(0.5%)	1.5%	(0.3%)	1.3%	(0.3%)	1.2%	(0.3%)
11	NASS	0.7%	(0.3%)	0.1%	(0.1%)	0.4%	(0.2%)	0.5%	(0.2%)	0.5%	(0.2%)	0.3%	(0.2%)	0.0%	(0.0%)	0.4%	(0.2%)	0.2%	(0.1%)
12	LWFR-Sp	0.2%	(0.1%)	0.1%	(0.1%)	0.0%	(0.0%)	0.1%	(0.1%)	0.1%	(0.1%)	0.0%	(0.0%)	0.0%	(0.0%)	0.1%	(0.1%)	0.0%	(0.0%)
13	LWFR-Su	0.1%	(0.1%)	0.1%	(0.1%)	0.1%	(0.1%)	0.0%	(0.1%)	0.2%	(0.1%)	0.3%	(0.2%)	0.1%	(0.1%)	0.2%	(0.1%)	0.1%	(0.1%)
14	QCI	1.4%	(0.3%)	0.4%	(0.2%)	0.4%	(0.1%)	0.5%	(0.2%)	0.1%	(0.1%)	0.2%	(0.1%)	0.2%	(0.1%)	0.1%	(0.1%)	0.4%	(0.1%)
15	Alaska	0.0%	(0.1%)	0.1%	(0.1%)	0.0%	(0.1%)	0.0%	(0.0%)	0.0%	(0.0%)	0.0%	(0.0%)	0.0%	(0.0%)	0.0%	(0.0%)	0.1%	(0.1%)
17	Taku	0.1%	(0.1%)	0.0%	(0.1%)	0.1%	(0.2%)	1.0%	(0.5%)	0.0%	(0.0%)	0.1%	(0.1%)	0.0%	(0.1%)	0.1%	(0.1%)	0.0%	(0.1%)
18	Sikine	0.6%	(0.3%)	0.4%	(0.3%)	0.5%	(0.3%)	0.2%	(0.2%)	0.1%	(0.1%)	0.1%	(0.2%)	0.1%	(0.1%)	0.1%	(0.1%)	0.6%	(0.3%)
19-23	Skeena	4.8%	(1.0%)	2.6%	(0.8%)	4.4%	(0.8%)	2.0%	(0.6%)	2.8%	(0.3%)	2.1%	(0.9%)	1.1%	(0.2%)	1.9%	(0.6%)	1.4%	(0.3%)
24	Alesek	0.0%	(0.0%)	0.0%	(0.1%)	0.0%	(0.0%)	0.0%	(0.0%)	0.0%	(0.0%)	0.0%	(0.0%)	0.0%	(0.0%)	0.0%	(0.0%)	0.9%	(0.3%)
25	Unuk River	0.1%	(0.2%)	0.5%	(0.3%)	0.7%	(0.3%)	0.0%	(0.0%)	0.0%	(0.0%)	0.0%	(0.0%)	0.0%	(0.0%)	0.0%	(0.0%)	0.0%	(0.3%)
50	Puget Sound	1.2%	(0.4%)	0.4%	(0.2%)	0.8%	(0.2%)	0.2%	(0.1%)	0.8%	(0.1%)	0.5%	(0.2%)	0.5%	(0.2%)	0.8%	(0.2%)	2.1%	(0.4%)
51	Juan de Fuca	0.0%	(0.1%)	0.0%	(0.0%)	0.1%	(0.1%)	0.1%	(0.0%)	0.0%	(0.0%)	0.1%	(0.1%)	0.0%	(0.0%)	0.0%	(0.0%)	0.2%	(0.1%)
52	Coastal Wash	3.7%	(0.7%)	7.0%	(1.0%)	7.5%	(0.9%)	8.4%	(0.8%)	14.8%	(0.9%)	8.2%	(0.9%)	11.2%	(1.0%)	7.7%	(0.7%)	17.8%	(1.0%)
53	Low Col	1.3%	(0.4%)	1.4%	(0.4%)	1.6%	(0.3%)	1.0%	(0.3%)	2.0%	(0.4%)	0.5%	(0.3%)	2.9%	(0.5%)	3.8%	(0.5%)	2.9%	(0.4%)
54	Up Col-Sp	0.0%	(0.0%)	0.0%	(0.0%)	0.0%	(0.0%)	0.0%	(0.0%)	0.0%	(0.0%)	0.0%	(0.0%)	0.0%	(0.0%)	0.0%	(0.0%)	0.0%	(0.0%)
55	Up Col-Su/F	11.0%	(1.0%)	16.7%	(1.1%)	11.6%	(0.9%)	15.8%	(1.0%)	22.0%	(1.1%)	31.5%	(1.4%)	44.3%	(1.7%)	32.2%	(1.3%)	15.0%	(0.9%)
56	Snake-Sp/Su	0.2%	(0.2%)	0.3%	(0.3%)	0.4%	(0.3%)	2.9%	(0.5%)	0.0%	(0.0%)	0.3%	(0.5%)	0.1%	(0.2%)	0.1%	(0.1%)	0.4%	(0.2%)
57	Snake-F	1.8%	(0.5%)	2.0%	(0.6%)	3.4%	(0.7%)	1.4%	(0.5%)	1.0%	(0.4%)	0.8%	(0.5%)	1.7%	(0.2%)	5.6%	(0.8%)	2.2%	(0.5%)
58	North & Central O	15.7%	(1.2%)	11.0%	(1.1%)	18.2%	(1.3%)	15.1%	(1.0%)	17.5%	(1.0%)	21.1%	(1.3%)	8.3%	(0.4%)	20.3%	(1.0%)	16.5%	(1.0%)
59	South Oregon coas	5.0%	(0.8%)	3.4%	(0.8%)	4.5%	(0.7%)	4.5%	(0.7%)	4.1%	(0.6%)	3.1%	(0.7%)	3.1%	(0.3%)	3.0%	(0.5%)	4.3%	(0.6%)
61	Klamath/Trinity	0.0%	(0.1%)	0.1%	(0.1%)	0.1%	(0.1%)	0.0%	(0.0%)	0.0%	(0.0%)	0.0%	(0.0%)	0.0%	(0.0%)	0.0%	(0.0%)	0.0%	(0.0%)
62	Mid Col-Sp	0.3%	(0.2%)	0.1%	(0.2%)	0.0%	(0.1%)	0.1%	(0.1%)	0.2%	(0.1%)	0.0%	(0.0%)	0.0%	(0.1%)	0.1%	(0.1%)	0.0%	(0.0%)
63	Up Willamette	0.9%	(0.3%)	0.2%	(0.1%)	0.8%	(0.2%)	1.9%	(0.4%)	1.6%	(0.3%)	0.3%	(0.2%)	1.1%	(0.3%)	0.5%	(0.2%)	0.6%	(0.2%)
64	Cent Val-F	0.0%	(0.1%)	0.2%	(0.1%)	0.0%	(0.1%)	0.0%	(0.0%)	0.0%	(0.0%)	0.0%	(0.1%)	0.0%	(0.1%)	0.0%	(0.1%)	0.0%	(0.0%)
65	Cent Val-Sp	0.0%	(0.1%)	0.0%	(0.0%)	0.0%	(0.0%)	0.0%	(0.0%)	0.0%	(0.0%)	0.0%	(0.0%)	0.0%	(0.0%)	0.0%	(0.0%)	0.1%	(0.1%)
66	Coastal Californi	0.0%	(0.0%)	0.0%	(0.0%)	0.0%	(0.0%)	0.0%	(0.0%)	0.0%	(0.0%)	0.0%	(0.1%)	0.0%	(0.0%)	0.0%	(0.0%)	0.0%	(0.0%)
Total		1		1		1		1		1		1		1		1		1	

000005

2007 – 2018 NBC Troll Chinook Genetic Stock identification data – PRELIMINARY – Post Season Review 6 December 2018

Year	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
NBC AABM Troll Licences	283	278	268	263	260	262	258	241	238	238	241	241
NBC AABM Troll Catch*	83,235	52,147	75,470	90,213	74,660	80,256	69,264	172,001	106,700	147,381	97,730	70,276
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DNA baseline size	268	268	268	281	300	298	310	310	296	295	302	303
Region1	Total	Total	Total	Total	Total	Total	Total	Total	Total	Total	Total	Total
UPFR	458	135	239	449	77	64	129	184	232	215	150	56
MUFR	1,201	1,002	1,413	977	291	420	356	2,202	871	854	752	475
LWFR-F	378	92	295	72	352	37	1,422	723	156	248	140	435
SOTH	861	1,006	945	567	672	890	587	610	797	510	433	308
NORTH	28,120	22,441	17,648	38,459	19,442	18,018	13,626	25,906	20,805	27,334	30,881	13,202
LWTH	29	26	101	129	3	72	1	289	321	71	0	0
ECVI	1,665	713	1,004	1,052	397	805	281	619	496	881	1,366	1,152
WCVI	8,049	1,602	2,685	3,361	5,318	2,905	2,897	6,562	1,128	3,842	4,578	7,643
SOMN	361	16	411	41	272	483	206	451	81	150	590	74
NOMN	1,154	689	1,635	1,768	1,479	1,572	1,515	2,510	1,285	1,863	1,550	846
NASS	588	45	274	268	383	422	180	84	424	81	49	147
LWFR-Sp	206	39	0	179	46	109	0	126	17	113	210	0
LWFR-Su	107	78	232	91	30	159	191	240	212	1	40	40
QCI	1,204	208	329	463	91	196	121	626	108	87	48	303
Alaska	22	35	12	28	7	36	0	78	2	110	39	86
Taku	44	12	79	49	712	14	42	163	19	76	50	34
Sitkine	482	194	362	195	31	421	95	112	79	119	68	387
Skeena	4,000	1,357	3,313	1,826	1,484	2,256	1,457	1,978	2,035	1,445	1,152	1,002
Alsek	3	25	32	0	0	1	1	1	1	1	31	624
Unuk_River	87	236	528	171	50	619	349	948	506	1,248	1,390	1,487
Puget_Sound	996	214	623	171	45	1	84	4	44	63	253	115
Juan_de_Fuca	33	1	61	0	45	1	84	4	44	63	253	115
Coastal_Wash	3,049	3,631	5,668	7,543	5,453	11,905	5,690	16,700	11,962	11,340	7,999	12,485
Low_Col	1,050	746	1,234	905	870	1,644	378	4,998	3,116	5,571	2,161	2,007
Up_Col-Sp	1	7	0	10	2	0	0	183	8	1	0	4
Up_Col-Su/F	9,127	8,686	15,890	10,482	11,808	17,626	21,812	76,153	44,631	47,517	20,173	10,544
Snake-Sp/Su	165	134	22	322	2,186	6	232	5,351	73	180	18	251
Snake-F	1,510	1,018	2,556	1,267	2,366	773	553	2,952	808	8,229	4,194	1,512
North_& Central_O	13,058	5,711	13,763	13,614	16,462	14,066	14,645	14,214	12,937	29,985	14,247	11,565
South_Oregon_coas	4,200	1,759	3,380	4,046	3,397	3,252	2,148	5,354	2,329	4,380	3,212	3,039
Klamath/Trinity	37	31	75	1	1	9	1	10	15	0	5	5
Mid_Col-Sp	239	57	12	98	108	188	2	8	22	76	58	35
Up_Willamette	723	92	608	1,758	820	1,304	213	1,675	1,134	735	1,776	406
Cent_Val-F	6	90	36	18	3	3	15	6	39	54	60	3
Cent_Val-Sp	24	17	1	0	2	10	1	0	7	0	56	2
Coastal_Californi	1	0	1	0	0	0	34	0	0	0	0	0
	83,235	52,147	75,470	90,213	74,660	80,256	69,264	172,001	106,700	147,381	97,730	70,276

Year	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
NBC AABM Troll Licences	283	278	268	263	260	262	258	241	238	241	241	241
NBC AABM Troll Catch*	83,235	52,147	75,470	90,213	74,660	80,256	69,264	172,001	106,700	147,381	97,730	70,276
DNA analyzed (Σ N)	1,326	1,569	2,129	1,875	1,734	2,875	1,337	2,155	1,897	2,271	2,071	1,931
DNA baseline size	268	268	268	281	300	298	310	310	296	295	302	303
Region1	Total	STD	Total	STD	Total	STD	Total	STD	Total	STD	Total	STD
UPFR	0.6% (0.3%)	0.3% (0.2%)	0.3% (0.2%)	0.5% (0.2%)	0.1% (0.1%)	0.1% (0.1%)	0.2% (0.1%)	0.1% (0.1%)	0.2% (0.2%)	0.1% (0.1%)	0.2% (0.1%)	0.1% (0.1%)
MUFR	1.4% (0.5%)	1.9% (0.5%)	1.9% (0.4%)	1.1% (0.3%)	0.4% (0.2%)	0.5% (0.2%)	0.5% (0.2%)	1.3% (0.2%)	0.8% (0.3%)	0.6% (0.2%)	0.8% (0.3%)	0.7% (0.2%)
LWFR-F	0.5% (0.2%)	0.2% (0.1%)	0.4% (0.2%)	0.1% (0.1%)	0.5% (0.2%)	0.0% (0.1%)	2.1% (0.7%)	0.4% (0.2%)	0.1% (0.1%)	0.2% (0.1%)	0.1% (0.1%)	0.6% (0.2%)
NOTH	1.0% (0.4%)	1.9% (0.5%)	1.3% (0.3%)	0.6% (0.2%)	0.9% (0.3%)	1.1% (0.3%)	0.8% (0.3%)	0.4% (0.1%)	0.7% (0.3%)	0.3% (0.2%)	0.4% (0.2%)	0.4% (0.2%)
SOTH	33.8% (1.4%)	43.0% (1.4%)	23.4% (1.0%)	42.6% (1.2%)	26.0% (1.1%)	22.5% (1.0%)	19.7% (1.1%)	15.1% (0.5%)	19.5% (1.0%)	18.5% (0.9%)	31.6% (1.1%)	18.8% (0.9%)
LWTH	0.0% (0.1%)	0.0% (0.1%)	0.1% (0.1%)	0.1% (0.1%)	0.0% (0.0%)	0.1% (0.1%)	0.0% (0.0%)	0.2% (0.0%)	0.3% (0.2%)	0.0% (0.1%)	0.0% (0.0%)	0.0% (0.0%)
ECVI	2.0% (0.5%)	1.4% (0.3%)	1.3% (0.3%)	1.2% (0.3%)	0.5% (0.3%)	1.0% (0.3%)	0.4% (0.2%)	0.4% (0.1%)	0.5% (0.3%)	0.6% (0.2%)	1.4% (0.4%)	1.6% (0.3%)
WCVI	9.7% (0.8%)	3.1% (0.5%)	3.6% (0.4%)	3.7% (0.5%)	7.1% (0.7%)	3.6% (0.4%)	4.2% (0.6%)	3.8% (0.2%)	1.1% (0.3%)	2.6% (0.3%)	4.7% (0.5%)	10.9% (0.8%)
SOMN	0.4% (0.3%)	0.0% (0.1%)	0.5% (0.2%)	0.0% (0.1%)	0.4% (0.3%)	0.6% (0.2%)	0.3% (0.2%)	0.3% (0.1%)	0.1% (0.2%)	0.1% (0.1%)	0.6% (0.2%)	0.1% (0.1%)
NOMN	1.4% (0.5%)	1.3% (0.4%)	2.2% (0.4%)	2.0% (0.4%)	2.0% (0.5%)	2.0% (0.4%)	2.2% (0.5%)	1.5% (0.2%)	1.2% (0.3%)	1.3% (0.3%)	1.6% (0.3%)	1.2% (0.3%)
NASS	0.7% (0.3%)	0.1% (0.1%)	0.4% (0.2%)	0.3% (0.2%)	0.5% (0.2%)	0.5% (0.2%)	0.3% (0.2%)	0.0% (0.0%)	0.4% (0.2%)	0.1% (0.1%)	0.0% (0.1%)	0.2% (0.1%)
LWFR-Sp	0.2% (0.1%)	0.1% (0.1%)	0.0% (0.0%)	0.2% (0.1%)	0.1% (0.1%)	0.1% (0.1%)	0.0% (0.0%)	0.1% (0.0%)	0.0% (0.0%)	0.1% (0.1%)	0.2% (0.1%)	0.0% (0.0%)
LWFR-Su	0.1% (0.1%)	0.1% (0.1%)	0.3% (0.1%)	0.1% (0.1%)	0.0% (0.1%)	0.2% (0.1%)	0.3% (0.2%)	0.1% (0.0%)	0.2% (0.1%)	0.0% (0.0%)	0.0% (0.0%)	0.1% (0.1%)
QCI	1.4% (0.3%)	0.4% (0.2%)	0.4% (0.1%)	0.5% (0.2%)	0.1% (0.1%)	0.2% (0.1%)	0.2% (0.1%)	0.4% (0.1%)	0.1% (0.1%)	0.1% (0.1%)	0.0% (0.1%)	0.4% (0.1%)
Alaska	0.0% (0.1%)	0.1% (0.1%)	0.0% (0.1%)	0.1% (0.1%)	0.0% (0.0%)	0.0% (0.0%)	0.0% (0.0%)	0.0% (0.0%)	0.0% (0.0%)	0.1% (0.1%)	0.0% (0.1%)	0.1% (0.1%)
Taku	0.1% (0.1%)	0.0% (0.1%)	0.1% (0.2%)	0.1% (0.1%)	1.0% (0.5%)	0.0% (0.1%)	0.1% (0.1%)	0.1% (0.1%)	0.0% (0.1%)	0.1% (0.1%)	0.1% (0.1%)	0.0% (0.1%)
Stikine	0.6% (0.3%)	0.4% (0.3%)	0.5% (0.3%)	0.2% (0.2%)	0.0% (0.1%)	0.5% (0.2%)	0.1% (0.2%)	0.1% (0.1%)	0.1% (0.1%)	0.1% (0.1%)	0.1% (0.1%)	0.6% (0.3%)
Skeena	4.8% (1.0%)	2.6% (0.8%)	4.4% (0.8%)	2.0% (0.6%)	2.0% (0.6%)	2.8% (0.3%)	2.1% (0.9%)	1.1% (0.2%)	1.9% (0.6%)	1.0% (0.3%)	1.2% (0.3%)	1.4% (0.3%)
Asek	0.0% (0.0%)	0.0% (0.1%)	0.0% (0.0%)	0.0% (0.0%)	0.0% (0.0%)	0.0% (0.0%)	0.0% (0.0%)	0.0% (0.0%)	0.0% (0.0%)	0.0% (0.0%)	0.0% (0.0%)	0.9% (0.3%)
Unuk_River	0.1% (0.2%)	0.5% (0.3%)	0.7% (0.3%)	0.2% (0.1%)	0.1% (0.1%)	0.8% (0.2%)	0.5% (0.2%)	0.6% (0.1%)	0.5% (0.2%)	0.8% (0.2%)	1.4% (0.3%)	2.1% (0.4%)
Puget_Sound	1.2% (0.4%)	0.4% (0.2%)	0.8% (0.2%)	0.0% (0.1%)	0.1% (0.1%)	0.0% (0.0%)	0.1% (0.1%)	0.0% (0.0%)	0.0% (0.0%)	0.0% (0.0%)	0.3% (0.1%)	0.2% (0.1%)
Juan_de_Fuca	0.0% (0.1%)	0.0% (0.0%)	0.1% (0.1%)	0.0% (0.1%)	0.1% (0.1%)	0.0% (0.0%)	0.1% (0.1%)	0.0% (0.0%)	0.0% (0.0%)	0.0% (0.0%)	0.3% (0.1%)	0.2% (0.1%)
Coastal_Wash	3.7% (0.7%)	7.0% (1.0%)	7.5% (0.9%)	8.4% (0.8%)	7.3% (6.6%)	14.8% (0.9%)	8.2% (0.9%)	9.7% (0.5%)	11.2% (1.0%)	7.7% (0.7%)	8.2% (0.7%)	17.8% (1.0%)
Low_Col	1.3% (0.4%)	1.4% (0.4%)	1.6% (0.3%)	1.0% (0.3%)	1.2% (0.4%)	2.0% (0.4%)	0.5% (0.3%)	2.9% (0.3%)	2.9% (0.5%)	3.8% (0.5%)	2.2% (0.4%)	2.9% (0.4%)
Up_Col-Sp	0.0% (0.0%)	0.0% (0.0%)	0.0% (0.0%)	0.0% (0.0%)	0.0% (0.0%)	0.0% (0.0%)	0.0% (0.0%)	0.1% (0.0%)	0.0% (0.0%)	0.0% (0.0%)	0.0% (0.0%)	0.0% (0.0%)
Up_Col-Su/F	11.0% (1.0%)	16.7% (1.1%)	21.1% (1.1%)	11.6% (0.9%)	15.8% (1.1%)	22.0% (1.0%)	31.5% (1.4%)	44.3% (0.7%)	41.8% (1.4%)	32.2% (1.3%)	20.6% (1.1%)	15.0% (0.9%)
Snake-Sp/Su	0.2% (0.2%)	0.3% (0.3%)	0.0% (0.1%)	0.4% (0.3%)	2.9% (5.8%)	0.0% (0.0%)	0.3% (0.5%)	3.1% (0.4%)	0.1% (0.2%)	0.1% (0.1%)	0.0% (0.0%)	0.4% (0.2%)
Snake-F	1.8% (0.5%)	2.0% (0.6%)	3.4% (0.7%)	1.4% (0.5%)	3.2% (6.6%)	1.0% (0.4%)	0.8% (0.5%)	1.7% (0.2%)	0.8% (0.6%)	5.6% (0.8%)	4.3% (0.7%)	2.2% (0.5%)
North_& Central_O	15.7% (1.2%)	11.0% (1.1%)	18.2% (1.3%)	15.1% (1.0%)	22.0% (6.9%)	17.5% (1.0%)	21.1% (1.3%)	8.3% (0.4%)	12.1% (1.1%)	20.3% (1.0%)	14.6% (0.9%)	16.5% (1.0%)
South_Oregon_coas	5.0% (0.8%)	3.4% (0.8%)	4.5% (0.8%)	4.5% (0.7%)	4.5% (0.7%)	4.1% (0.6%)	3.1% (0.7%)	3.1% (0.3%)	2.2% (0.6%)	3.0% (0.5%)	3.3% (0.6%)	4.3% (0.8%)
Klamath/Trinity	0.0% (0.1%)	0.1% (0.1%)	0.1% (0.1%)	0.0% (0.1%)	0.0% (0.0%)	0.0% (0.0%)	0.0% (0.0%)	0.0% (0.0%)	0.0% (0.0%)	0.0% (0.0%)	0.0% (0.0%)	0.0% (0.0%)
Mid_Col-Sp	0.3% (0.2%)	0.1% (0.2%)	0.0% (0.1%)	0.1% (0.1%)	0.1% (0.2%)	0.2% (0.1%)	0.0% (0.0%)	0.0% (0.0%)	0.0% (0.1%)	0.1% (0.1%)	0.1% (0.1%)	0.0% (0.1%)
Up_Willamette	0.9% (0.3%)	0.2% (0.1%)	0.8% (0.2%)	1.9% (0.4%)	1.1% (0.3%)	1.6% (0.3%)	0.3% (0.2%)	1.0% (0.2%)	1.1% (0.3%)	0.5% (0.2%)	1.8% (0.4%)	0.6% (0.2%)
Cent_Val-F	0.0% (0.1%)	0.2% (0.1%)	0.0% (0.1%)	0.0% (0.1%)	0.0% (0.0%)	0.0% (0.0%)	0.0% (0.1%)	0.0% (0.0%)	0.0% (0.1%)	0.0% (0.1%)	0.1% (0.1%)	0.0% (0.0%)
Cent_Val-Sp	0.0% (0.1%)	0.0% (0.1%)	0.0% (0.0%)	0.0% (0.0%)	0.0% (0.0%)	0.0% (0.0%)	0.0% (0.0%)	0.0% (0.0%)	0.0% (0.0%)	0.0% (0.0%)	0.1% (0.1%)	0.0% (0.0%)
Coastal_Californi	0.0% (0.0%)	0.0% (0.0%)	0.0% (0.0%)	0.0% (0.0%)	0.0% (0.0%)	0.0% (0.0%)	0.0% (0.0%)	0.0% (0.0%)	0.0% (0.0%)	0.0% (0.0%)	0.0% (0.0%)	0.0% (0.0%)

Impacts to Southeast Alaska, Transboundary Rivers and Northern British Columbia Origin Chinook Salmon Stocks in Fisheries of Southeast Alaska and Northern British Columbia in 2018

INTRODUCTION

For the past decade, Chinook salmon have experienced consistent declines in productivity resulting in lower than desired escapements for fish spawning in Southeast Alaska (SEAK), the transboundary (TBR) and Northern British Columbia (NBC) rivers. Canadian fisheries do not significantly affect SEAK stocks; however, TBR and NBC Chinook salmon stocks are affected by both U.S. and Canadian fisheries. Escapements of Chinook salmon in the Alsek, Taku, Stikine, Nass, and Skeena rivers in 2017 were the lowest in the past 20 years and all failed to meet biological benchmarks and preseason forecasts for 2018 runs indicated continued low abundance.

As a result, in response to these extraordinary circumstances, and in accordance with the Pacific Salmon Treaty (PST), Chapter 3, subparagraph 13(h) that states:

"in the event of extraordinary circumstances, either Party may recommend, for conservation purposes, that the Commission consider developing additional management actions in the relevant fisheries to respond to such circumstances. Such a recommendation must be based on circumstances when the continued viability of a stock or stock group would be seriously threatened in the absence of such actions. This recommendation must be part of a coordinated management plan that will include actions taken in all marine and freshwater fisheries that significantly affect the stock or stock group"

In response to this unprecedented situation, cooperative efforts were undertaken to align domestic management regimes and implement conservative fishery management measures by the Alaska Department of Fish and Game (ADF&G) and Fisheries and Oceans Canada (DFO) to move SEAK, TBR and NBC-origin Chinook salmon to their respective spawning grounds in 2018.

In SEAK, mature run Chinook salmon begin the migration to freshwater in March with virtually all migrating adults having entered the rivers to spawn by the end of July. Over a decade of mixed stock analyses of Chinook salmon caught in the sport and troll fisheries in SEAK and in NBC have facilitated an understanding of the timing and distribution of Chinook salmon stocks. In general, proportions of SEAK, TBR, and NBC-origin Chinook salmon are highest in fisheries conducted closest to their natal streams and closest to their spring and summer run timing. In 2018, additional restrictive management measures in SEAK included closures of the commercial winter and spring troll fisheries, along with closures of sport fisheries, closures and/or time, area, and gear restrictions in commercial net fisheries, and closures to subsistence and personal use fisheries. In the TBRs, Chinook non-retention (CNR) was enacted in both Canadian commercial and sport fisheries with complementary fishery management measures such as time/period or area closures and gear restrictions to minimize incidental interception. In addition, significant harvest reductions, and in certain situations closures, were implemented in TBR Canadian First Nation fisheries. In NBC, CNR was in effect in the Canadian commercial gillnet and freshwater sport fisheries. Directed terminal commercial net fisheries and freshwater sport fisheries for Chinook salmon were eliminated. Daily limit and possession limit reductions and CNR periods were applied to marine sport fisheries by and time and area. The NBC troll fishery was delayed until after the majority of the Chinook salmon runs had reached NBC rivers and additional time and area closures were implemented to allow fish passage. First Nation's fisheries for Chinook salmon were not modified in NBC.

ESCAPEMENTS IN 2018

Each year Chinook salmon escapements are monitored for eleven SEAK and TBR stocks ((i.e., the Situk, Alsek, Chilkat, Taku, King Salmon, Stikine, Andrews, Unuk, Blossom, Keta, and Chickamin stocks) and

three primary NBC stocks (i.e., Nass, Kitsumkalum and Skeena stocks). In 2018 only the Alsek, Unuk, Blossom, Keta and Kitsumkalum stocks of Chinook salmon surpassed the lower end of their escapement goals (Figures 1-14). Chinook salmon escapements to Nass and Skeena Rivers in 2018 represented a significant improvement over 2017, near the agency goal for Nass River Chinook salmon and above the escapement required for maximum sustained yield (Smsy) in the Kitsumkalum River. Bilaterally agreed escapement goals are not available for Nass, Kitsumkalum or Skeena Chinook salmon stocks (Table 1).

MANAGEMENT IN 2018

SEAK and TBR Stocks of Chinook Salmon

Management measures to reduce the harvest of SEAK, TBR and NBC Chinook salmon were implemented throughout Alaska and in all Canadian TBR fisheries including First Nations' fisheries in 2018. Management measures included full fishery closures, CNR and fishery reductions arranged temporally and spatially to protect Chinook salmon within Alaska and Canada's domestic allocation policies. The eleven SEAK and TBR stocks serve as indicators but management actions were directed at protecting all 34 known Chinook stocks from the SEAK and TBR area.

Situk Stock - The commercial, subsistence and sport fisheries in the Situk River, Situk-Ahrnklin Inlet and Lost River areas were closed to Chinook salmon fishing prior to the start of the season. In addition, during the U.S. commercial sockeye salmon fishery, Chinook salmon could not be sold or retained for personal use. Any dead Chinook salmon had to be delivered to the buying station for distribution to the elderly in the nearby community of Yakutat, resulting in a harvest of 2 Chinook salmon in 2018 (Table 2).

Alsek Stock - The U.S. commercial sockeye fishery was delayed for two weeks and a maximum mesh restriction was in effect to minimize harvests of Chinook salmon. Subsequent openings through July were conservative for Chinook salmon concerns and an apparent low run of sockeye salmon. Harvests from the subsistence fishery is not available, however is assumed to be zero. In Canada, CNR was in place for the sport fisheries while First Nation fishing was closed under the authority of a First Nation Government resolution. As a result, in 2018 there was no harvest in Canadian fisheries (Table 3).

Chilkat Stock - The SEAK late winter troll fishery was closed from March 15 through April 30, and the SEAK spring troll fishery, except in select terminal harvest areas near hatcheries, was closed from May through June. Additionally, the first three weeks of the commercial drift gillnet fishery in the terminal area of District 115 was managed conservatively with a mesh size maximum and reduced time and area openings. The sport fishery in District 115 had CNR in place. Locally, in the Chilkat River, the subsistence net fishery was restricted to 4 days per week from June 15 through July 31, the peak inriver migration times of Chilkat Chinook salmon. The saltwater subsistence fishery in Chilkat Inlet was also closed until July 22, when most or all of the Chinook salmon run has entered freshwater. Subsistence harvest data is still being collected but harvest is assumed to be at or near zero (Table 4).

Taku Stock - No directed U.S. commercial Chinook salmon fishery occurred. The U.S. late winter troll fishery was closed from March 15 through April 30 and the U.S. spring troll fishery, except in select terminal harvest areas near hatcheries, was closed from May through June. The U.S. sport fishery on the inside waters of Southeast Alaska, except near select hatcheries with terminal harvest areas, had CNR in place from April 1 through June 15. Additionally, the U.S. net fisheries were closed, delayed and had additional time-area-mesh and retention restrictions in place. No directed Canadian commercial Chinook salmon fishery took place on the Taku River in 2018 while all Chinook salmon incidentally intercepted in a non-directed commercial fishery (i.e. sockeye salmon fishery) were required to be released. The Canadian sport fishery had CNR in place for the duration of the season while angling for salmon was prohibited in specified locations / times. Canadian First Nation Fisheries did not target Chinook salmon in 2018. A total of 7 Chinook salmon were harvested in 2018 Canadian Taku River fisheries (Table 5).

Stikine Stock - No directed U.S. commercial Chinook salmon fishery occurred. The U.S. late winter troll fishery was closed from March 15 through April 30 and the U.S. spring troll fishery, except in select terminal harvest areas near hatcheries, was closed from May through June. The U.S. sport fishery on the inside waters of Southeast Alaska, except near select hatcheries with terminal harvest areas, was closed from April 1 through June 15. The U.S. net fisheries were closed, delayed and had additional time-area-mesh and retention restrictions in place. No directed Canadian commercial Chinook salmon fishery took place on the Stikine River in 2018. Chinook salmon incidentally intercepted in a non-directed commercial fishery (i.e. sockeye salmon fishery) were required to be released. In the Canadian sport fishery, CNR was in place for the season and angling for salmon was prohibited in specified locations / times. Canadian First Nation Fisheries did not target Chinook salmon in 2018 although 165 Chinook salmon were harvested incidentally within the First Nation sockeye fishery (Table 6).

Unuk Stock - Management measures to reduce harvest have been implemented annually since 2014 in the Ketchikan area. In 2017, the late winter troll fishery was closed from March 15 through April 30, and in 2018, the spring troll fishery, except in select terminal harvest areas near hatcheries, was closed from May through June. Additionally, the U.S. sport fishery on the inside waters of Southeast Alaska, except near select hatcheries with terminal harvest areas, was closed from April 1 through June 15. Sport fish restrictions in the Ketchikan area included expanded sport fishing closures in north and northeast Behm Canal, the implementation of CNR in West Behm Canal, southeast Behm Canal and southern Revillagigedo Channel, and the implementation of a one fish bag limit in the remaining waters of the Ketchikan area. Actions were taken to significantly reduce the size of the Ketchikan sportfish terminal harvest area to Herring Bay only and expanded fishery limits inside Neets Bay. The net fisheries in terminal harvest areas were reduced from 7 days to 1 day during SWs 24-27 and the purse seine fishery implemented CNR salmon over 28 inches (Table 7).

NBC Stocks of Chinook Salmon

Management measures to reduce the harvest of NBC Chinook salmon were implemented in all Canadian fisheries except First Nations' fisheries in 2018. Management measures included full fishery closures, CNR and fishery reductions arranged temporally and spatially to protect Chinook salmon within Canada's domestic allocation policy. The Nass and Skeena Chinook stocks act as indicators but management actions were directed at protecting all Chinook salmon stocks from the northern U.S. – Canada border to Price Island (Areas 1 through 6). Freshwater recreational fisheries were designated CNR in all watersheds draining into Areas 1 to 6.

Nass Stock - The AABM NBC troll fishery was delayed until July 10 after approximately 93% of the Nass run had passed Area 1. The A-B line fishery during July 1 to 9 was designated CNR with spatial closures in areas of high Chinook salmon incidence. The AABM recreational fishery operated under daily limit and possession limit reductions from June 1 to July 9 to reduce harvests during the peak of the Nass Chinook migration through Areas 1 & 2. The daily limit was reduced to 1 Chinook salmon per day and the possession limit to 2 Chinook salmon. Daily limit and possession limit reductions and CNR options were implemented in ISBM marine recreational fisheries in Chatham Sound, east Dixon Entrance and North Hecate Strait. The daily limit was reduced to 1 Chinook salmon per day and the possession limit to 2 Chinook salmon from June 1 to 15 and from July 10 to 31 during the shoulder periods to the migration. The fishery was designated CNR from June 16 to July 9, during the peak of the migration. Freshwater recreational fisheries in the Nass watershed were designated CNR for the duration of the year. The watershed is usually open with a number of local restrictions. Area 3 gillnet fisheries for Sockeye were delayed from early June to June 25 to reduce Chinook salmon encounters and the associated incidental mortalities. All gillnet fisheries in Area 3 and 4 were designated CNR for the season. Chinook salmon retention is typically permitted in gillnet fisheries directed at sockeye and pink salmon (Tables 8, 9).

Skeena Stock - The AABM NBC troll fishery was delayed until July 10 after approximately 80% of the Skeena run had passed Area 1. The eastern portion of Dixon Entrance was closed to the troll fishery until August 4 to provide additional protection to fish potentially milling in the corridor. The A-B line fishery

during July 1 to 9 was designated CNR with spatial closures in areas of high Chinook salmon incidence. The AABM recreational fishery operated under daily limit and possession limit reductions from June 1 to July 9 to reduce harvests during the peak of the Skeena Chinook migration through Areas 1 & 2. The daily limit was reduced to 1 Chinook salmon per day and the possession limit to 2 Chinook salmon. The normal daily limit is 2 Chinook per day with a possession limit of 4 Chinook salmon. Daily limit and possession limit reductions and CNR options were implemented in ISBM marine recreational fisheries in Chatham Sound, east Dixon Entrance and North Hecate Strait. The daily limit was reduced to 1 Chinook salmon per day and the possession limit to 2 Chinook salmon from June 1 to 15 and from July 10 to 31 during the shoulder periods to the migration. The fishery was designated CNR from June 16 to July 9, during the peak of the migration. Freshwater recreational fisheries in the Skeena watershed were closed to fishing for salmon from May 8 to August 6, the time when most Chinook salmon are encountered. The closure to all salmon fishing was implemented to reduce incidental mortalities to Chinook salmon. The watershed is usually open with a number of restrictions. Fishing for salmon remained closed after August 7 in areas of the Skeena watershed where Chinook stage prior to spawning and in spawning locations. Normal recreational fishing opportunities for sockeye and coho were permitted in some portions of the watershed after August 7 but were designated CNR. The ISBM gillnet fishery for Chinook in Area 4, River-Gap-Slough, was cancelled. There are usually two short fisheries directed at Chinook in late June and early July. Area 3 gillnet fisheries for Sockeye were delayed from early June to June 25 to reduce Chinook salmon encounters and the associated incidental mortalities. All gillnet fisheries in Area 3 and 4 were designated CNR for the season. Chinook salmon retention is typically permitted in gillnet fisheries directed at sockeye and pink salmon (Tables 10, 11).

HARVESTS IN 2018

SEAK/TBR Stocks - Measures of harvest and run size are available annually for the Situk, Alsek, Chilkat, Taku, Stikine and Unuk stocks of Chinook salmon. The 2018 management measures implemented in these areas resulted in decreased harvest and exploitation for each stock relative to the recent 10-year average and the lowest values seen for five of these six stocks in a decade. Average harvest percents from 2008 to 2017 spanned 12% to 41% and in 2018 these percents dropped to 0.5% to 22% (Tables 2-7, Figure 15).

NBC - Measures of harvest and run size are available annually for the Nass and Skeena stocks of Chinook salmon (Tables 8-13). Catch estimates and genetic stock identification were not complete at the time of writing for SEAK fisheries so the 2018 expected exploitations of 3% on Nass Chinook salmon and 6.5% on Skeena Chinook salmon were used to generate place holders for Tables 8 through 13. The 2018 management measures implemented in NBC resulted in significant reductions in harvest and exploitation by marine fisheries and eliminated harvests in terminal gillnet and freshwater sport fisheries. However, terminal catches in the Nass and Skeena Rivers were larger than expected and proposed reductions were not realized. Canadian harvests of Nass River Chinook salmon averaged 23% from 2008 to 2017 and were 27% in 2018. Canadian harvests of Skeena River Chinook salmon averaged 22% from 2008 to 2017 and were 24% in 2018.

Harvest percentages presented for Nass River Chinook salmon were estimated using escapement estimates above Gitwinksihlkw. Gitwinksihlkw is the location of the lower fish wheels on the Nass River used to capture Chinook salmon for the mark-recapture (MR) estimate. Previous versions of the tables (ADFG/DFO, February 11, 2018) included escapements to the "Nass Area" which include streams downstream of the fish wheels and some coastal streams. The fish estimated by the MR align better with the stocks used in the genetic baselines to determine the Nass components in the mixed stock samples. The 2018 Nass River MR escapement estimate included 6,421 fish > 75 cm nose-fork length (CV = 0.22). The method to estimate fish between 50 and 74 cm nose-fork length is under review. Results of two methods being considered have been presented for the Nass escapement and total escapement estimates range from 7,261 to 13,262 Chinook salmon above Gitwinksihlkw.

Table 1. Escapements of Southeast and Canadian-origin Transboundary and Northern B.C. Chinook salmon stocks, 2008-2018. Shaded cells reflect years when the goal was missed.

Stock	Goal ^a	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018 ^b
Situk	500	413	902	166	240	322	912	475	174	329	1,187	420
Alsek	3,500	1,885	6,239	9,526	6,850	3,027	4,992	3,357	5,697	2,504	1,740	4,312
Chilkat	1,750	2,881	4,406	1,797	2,674	1,723	1,719	1,529	2,456	1,386	1,231	873
Taku	19,000	26,645	29,797	28,769	27,523	19,429	18,002	23,532	28,850	12,000	7,000	7,271
King Salmon	120	120	109	158	192	155	94	68	50	149	85	30
Andrew	650	981	628	1,205	936	587	920	1,261	796	402	349	482
Stikine	14,000	18,352	12,803	15,116	14,480	22,327	16,735	24,360	21,343	12,000	10,000	8,355
Unuk	1,800	3,104	3,157	3,835	3,195	956	1,135	1,691	2,623	1,502	1,203	1,942
Chickamin	2,150	5,277	2,902	5,491	4,052	2,109	2,223	2,499	2,693	964	722	2,052
Blossom	500	995	476	1,405	569	793	987	662	642	522	240	1,087
Keta	550	1,093	659	1,430	671	725	1,484	1,321	915	1,342	668	1,662
Nass ^c	10,000	19,630	26,226	18,381	9,600	8,688	8,011	11,509	18,262	9,037	4,419	13,262
Skeena ^d	NA	71,446	80,900	101,486	53,682	33,473	39,179	44,200	53,770	31,297	18,480	33,802
Kitsumkalum ^e	NA	10,374	10,703	13,712	12,059	9,363	10,934	10,308	14,500	10,455	4,943	9,537

^a For the SEAK stocks, this refers to the lower bound of the bilaterally PSC agreed-to escapement goal all of which are based on stock-recruit analyses.

^b Preliminary values

^c There is no bilaterally PSC agreed-to escapement goal for the Nass River stock of Chinook salmon. An agency goal for minimum escapement to the Nass Area is presented.

^d There is no bilaterally PSC agreed-to escapement goal for the Skeena River aggregate stock of Chinook salmon.

^e There is no bilaterally PSC agreed-to escapement goal for the Kitsumkalum River stock of Chinook salmon. Smsy is 8,621 from stock-recruit analyses.

Table 2. Harvest estimates and rates for the Situk River stock of Chinook salmon in the various fisheries in the Situk River, Situk-Ahrnklin Inlet and Lost River areas, 2008 to 2017, with preliminary 2018 estimates. Estimates of total escapement and total run are also shown. Averages for recent 5-year and 10-year periods do not include values from 2018.

	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	5-yr avg 2013-17	10-yr avg 2008-17
Harvests^a													
Commercial													
Sport													
Subsistence													
Personal use													
Total harvest	222	475	159	8	91	378	38	20	10	37	2	97	144
Total escapement ^b	413	902	166	240	322	912	475	174	329	1,187	420	615	512
Total run	635	1,377	325	248	413	1,290	513	194	339	1,224	422	712	656
Harvest percents:													
Commercial													
Sport													
Subsistence													
Personal use													
Total percent	35.0%	34.5%	48.9%	3.1%	22.0%	29.3%	7.4%	10.3%	3.0%	3.0%	0.5%	13.6%	21.9%

^a Harvests in the commercial, subsistence and personal use fisheries occur in the Situk-Ahrnklin Inlet and Lost River areas and are based on fish ticket reporting and permits and sport harvests occur inriver and are based on the statewide harvest survey.

^b The bilaterally agreed to BEG range for the Situk River stock is 500 to 1,000 large (>659 mm) Chinook salmon.

Note: Lightly shaded cells represent escapements that were below the lower bound of the escapement goal range; dark shaded cells refer to fishery closures.

Table 3. Harvest estimates and rates for the Alesek River stock of Chinook salmon in the U.S. Dry Bay inriver commercial and subsistence fisheries and in the Canadian inriver aboriginal and sport fisheries, 2008 to 2017, with preliminary 2018 estimates. Estimates of total escapement and total run are also shown. Averages for recent 5-year and 10-year periods do not include values from 2018.

	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	5-yr avg 2013-17	10-yr avg 2008-17
Harvests													
U.S. commercial	128	602	273	546	510	469	1,074	243	132	123	88	408	406
U.S. test	465	421			251								67
U.S. subsistence	34	57	70	42	50	13	23	5	8	4		11	27
U.S. total ^a	627	1,080	343	588	811	482	1,097	248	140	127	88	419	500
Canada Aboriginal	0	105	197	119	0	67	17	87	10	10		38	61
Canada sport	7	20	97	95	85	5	26	44	80	64		44	52
Canada total ^b	7	125	294	214	85	72	43	131	90	74	0	82	113
Total harvest	634	1,205	637	802	896	554	1,140	379	230	201	88	501	613
Total escapement ^c	1,857	6,159	9,138	6,470	2,687	4,972	3,321	5,597	2,514	1,718	4,312	3,624	4,687
Total run	2,491	7,364	9,775	7,272	3,583	5,526	4,461	5,976	2,744	1,919	4,400	4,125	5,300
Harvest percents													
U.S. commercial	5.1%	8.2%	2.8%	7.5%	14.2%	8.5%	24.1%	4.1%	4.8%	6.4%	2.0%	9.9%	7.7%
U.S. test	18.7%	5.7%			7.0%							0.0%	1.3%
U.S. subsistence	1.4%	0.8%	0.7%	0.6%	1.4%	0.2%	0.5%	0.1%	0.3%	0.2%	0.0%	0.3%	0.5%
U.S. total ^a	25.2%	14.7%	3.5%	8.1%	22.6%	8.7%	24.6%	4.1%	5.1%	6.6%	2.0%	10.2%	9.5%
Canada Aboriginal	0.0%	1.4%	2.0%	1.6%	0.0%	1.2%	0.4%	1.5%	0.4%	0.5%		0.9%	1.2%
Canada sport	0.3%	0.3%	1.0%	1.3%	2.4%	0.1%	0.6%	0.7%	2.9%	3.4%		1.1%	1.0%
Canada total ^b	0.3%	1.7%	3.0%	2.9%	2.4%	1.3%	1.0%	2.2%	3.3%	3.9%	0.0%	2.0%	2.1%
Total percent	25.4%	16.4%	6.5%	11.0%	25.0%	10.0%	25.6%	6.3%	8.4%	10.5%	2.0%	12.1%	11.6%

^a U.S. commercial, test and subsistence fisheries harvests occur in Dry Bay and the lower Alesek River below the U.S./Canada border.

^b Canadian Aboriginal harvests occur in the headwaters primarily at the Klukshu River, Village Creek and in tributaries of the Tatshenshini River and the majority of Canadian sport harvest occurs in the Tatshenshini River, at and just downstream of the mouth of the Klukshu River in the vicinity of the abandoned settlement of Dalton Post.

^c The bilaterally agreed to BEG range for the Alesek River stock is 3,500 to 5,300 Chinook salmon age 4 and older.

Note: Lightly shaded cells represent escapements that were below the lower bound of the escapement goal range; dark shaded cells refer to fishery closures.

Table 4. Harvest estimates and rates for the Chilkat River stock of Chinook salmon using CWT and GSI methodologies in various fisheries, areas and time periods in SEAK, 2008 to 2017, with preliminary 2018 estimates. Estimates of total escapement and total run are also shown. Averages for recent 5-year and 10-year periods do not include values from 2018.

	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	5-yr avg 2013-17	10-yr avg 2008-17
Harvests													
Winter Troll	16	0	132	125	117	0	0	0	37	55	0	18	48
Spring Troll	257	244	128	120	155	40	0	59	0	43	0	28	105
Summer Troll R1	203	0	0	0	0	0	0	46	0	0	0	9	25
Summer Troll R2	26	0	0	0	0	0	0	0	0	0	0	0	3
Troll total	502	244	260	246	272	40	0	105	37	98	0	56	180
Sport Early	5	93	292	217	193	135	287	109	44	44	0	115	138
Sport Late	27	41	41	20	49	22	22	103	103	0	0	25	26
Sport total	32	134	292	237	242	135	309	109	103	44	11	140	164
Net Seine	0	0	80	109	43	11	39	0	0	0	0	10	28
Net terminal gillnet	261	12	394	193	230	121	535	318	7	10	70	198	208
Net non-term. gillnet	25	24	0	80	0	20	0	0	0	0	0	4	15
Net subsistence	50	75	85	114	96	65	79	15	10	0	0	34	59
Net total	336	111	559	495	369	218	653	333	17	10	70	246	310
Total harvest	870	489	1,111	978	884	393	962	547	157	152	81	442	654
Total escapement ^b	2,882	4,406	1,797	2,674	1,723	1,719	1,529	2,452	1,380	1,173	873	1,651	2,174
Total run	3,752	4,895	2,908	3,652	2,607	2,112	2,491	2,999	1,537	1,325	954	2,093	2,828
Harvest Percents:													
Winter Troll	0.4%	0.0%	4.5%	3.4%	4.5%	0.0%	0.0%	0.0%	2.4%	4.2%	0.0%	0.9%	1.7%
Spring Troll	10.6%	6.9%	5.0%	4.4%	3.3%	6.0%	1.9%	0.0%	2.0%	3.2%	0.0%	0.0%	1.4%
Summer Troll R1	0.0%	5.4%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	1.5%	0.0%	0.0%	0.0%	0.4%
Summer Troll R2	0.7%	0.7%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Troll total	11.3%	13.4%	5.0%	8.9%	6.7%	10.4%	1.9%	0.0%	3.5%	7.4%	0.0%	0.0%	2.7%
Sport Early	0.1%	1.9%	10.0%	5.9%	7.4%	6.4%	11.5%	3.6%	0.0%	3.3%	0.0%	5.5%	4.9%
Sport Late	0.7%	0.8%	0.0%	0.5%	1.9%	0.0%	0.9%	0.0%	6.7%	0.0%	1.2%	1.2%	0.9%
Sport total	0.9%	2.7%	10.0%	6.5%	9.3%	6.4%	12.4%	3.6%	6.7%	3.3%	1.2%	6.7%	5.8%
Net Seine			2.8%	3.0%	1.6%	0.5%	1.6%	0.0%	0.0%	0.0%	0.0%	0.5%	1.0%
Net terminal gillnet	7.0%	0.2%	13.5%	5.3%	8.8%	5.7%	21.5%	10.6%	0.5%	0.8%	7.3%	9.5%	7.4%
Net non-term. gillnet	0.7%	0.5%	0.0%	2.2%	0.0%	0.9%	0.0%	0.0%	0.0%	0.0%	0.0%	0.2%	0.5%
Net subsistence	1.3%	1.5%	2.9%	3.1%	3.7%	3.1%	3.2%	0.5%	0.7%	0.0%	0.0%	1.6%	2.1%
Net total	9.0%	2.3%	19.2%	13.6%	14.2%	10.3%	26.2%	11.1%	1.1%	0.8%	7.3%	11.8%	11.0%
Total percent	23.2%	10.0%	38.2%	26.8%	33.9%	18.6%	38.6%	18.2%	10.2%	11.5%	8.5%	21.1%	23.1%

^a The troll winter fishery occurs from October of the prior year through April of the current year; the troll spring fishery occurs from May through June; the troll summer R1 troll fishery occurs in July of the current year; the summer R2 troll fishery occurs from August through September of the prior year; the sport early fishery occurs from mid-April through July (Haines sport included); the sport late fishery occurs in August of the prior year; the net fishery includes the SEAK seine fishery, districts 108 and 111 (net non-terminal) and 115 (net terminal) fisheries as well as the subsistence fishery near Haines.

^b The bilaterally agreed to BEG range for the Chilkat River stock is 1,750 to 3,500 age 5 and older Chinook salmon.

Note: Lightly shaded cells represent escapements that were below the lower bound of the escapement goal range; dark shaded cells refer to fishery closures.

Table 5. Harvest estimates and rates for the Taku River stock of Chinook salmon using CWT and GSI methodologies in various fisheries, areas and time periods in SEAK, 2008 to 2017, with preliminary 2018 estimates. Estimates of total escapement and total run are also shown. Averages for recent 5-year and 10-year periods do not include values from 2018.

Harvests	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	5-yr avg 2013-17	10-yr avg 2008-17
U.S. Winter Troll	749	1,105	536	129	2,155	573	293	417	180	463	0	385	660
U.S. Spring Troll	2,126	1,352	2,393	3,506	2,009	1,233	1,801	521	1,304	106	0	993	1,635
U.S. Summer Troll R1	99	846	889	0	0	0	0	271	0	0	0	54	211
U.S. Summer Troll R2	0	0	0	0	0	0	0	196	0	0	0	39	20
U.S. troll total	2,974	3,303	3,818	3,635	4,164	1,806	2,094	1,405	1,484	569	0	1,472	2,525
U.S. Outside Sport	840	59	0	0	0	0	0	308	0	0	0	62	121
U.S. Terminal Sport	632	673	984	573	671	257	714	463	635	34	39	421	564
U.S. sport total	1,472	732	984	573	671	257	714	771	635	34	39	482	684
U.S. net total	1,215	4,634	562	566	702	376	509	321	189	269	50	333	934
U.S. total ^a	5,661	8,669	5,364	4,774	5,537	2,439	3,317	2,497	2,308	872	89	2,287	4,144
Canada commercial	913	6,759	5,238	2,342	1,930	579	1,041	868	508	246	0	648	2,042
Canada assess/test	1,399	0	0	680	863	0	1,230	1,357	1,021	0	0	722	655
Canada sport	105	105	105	105	105	105	105	105	10	0	0	65	85
Canada Aboriginal	1	172	126	150	67	54	96	117	91	4	7	72	88
Canada total ^b	2,418	7,036	5,469	3,277	2,965	738	2,472	2,447	1,630	250	7	1,507	2,870
Total harvest	8,079	15,705	10,833	8,051	8,502	3,177	5,789	4,944	3,938	1,122	96	3,794	7,014
Total escapement ^c	26,645	22,761	28,769	27,523	19,538	18,002	23,532	28,827	12,381	8,214	7,271	18,191	21,619
Total run	34,724	38,466	39,602	35,574	28,040	21,179	29,321	33,771	16,319	9,336	7,367	21,985	28,633
Harvest Percents:													
U.S. Winter Troll	2.2%	2.9%	1.4%	0.4%	7.7%	2.7%	1.0%	1.2%	1.1%	5.0%	0.0%	1.8%	2.3%
U.S. Spring Troll	6.1%	3.5%	6.0%	9.9%	7.2%	5.8%	6.1%	1.5%	8.0%	1.1%	0.0%	4.5%	5.7%
U.S. Summer Troll R1	0.3%	2.2%	2.2%	0.0%	0.0%	0.0%	0.0%	0.8%	0.0%	0.0%	0.0%	0.2%	0.7%
U.S. Summer Troll R2	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.6%	0.0%	0.0%	0.0%	0.2%	0.1%
U.S. troll total	8.6%	8.6%	9.6%	10.2%	14.9%	8.5%	7.1%	4.2%	9.1%	6.1%	0.0%	6.7%	8.8%
U.S. Outside Sport	1.8%	1.7%	2.5%	1.6%	2.4%	1.2%	2.4%	1.4%	3.9%	0.0%	0.0%	0.3%	0.4%
U.S. Terminal Sport	2.4%	0.2%	0.0%	0.0%	0.0%	0.0%	0.0%	0.9%	0.0%	0.4%	0.5%	1.9%	2.0%
U.S. sport total	4.2%	1.9%	2.5%	1.6%	2.4%	1.2%	2.4%	2.3%	3.9%	0.4%	0.5%	2.2%	2.4%
U.S. net total	3.5%	12.0%	1.4%	1.6%	2.5%	1.8%	1.7%	1.0%	1.2%	2.9%	0.7%	1.5%	3.3%
U.S. total ^a	16.3%	22.5%	13.5%	13.4%	19.7%	11.5%	11.3%	7.4%	14.1%	9.3%	1.2%	10.4%	14.5%
Canada commercial	2.6%	17.6%	13.2%	6.6%	6.9%	2.7%	3.6%	2.6%	3.1%	2.6%	0.0%	2.9%	7.1%
Canada assess/test	4.0%	0.0%	0.0%	1.9%	3.1%	0.0%	4.2%	4.0%	6.3%	0.0%	0.0%	3.3%	2.3%
Canada sport	0.3%	0.3%	0.3%	0.3%	0.4%	0.5%	0.4%	0.3%	0.1%	0.0%	0.0%	0.3%	0.3%
Canada Aboriginal	0.0%	0.4%	0.3%	0.4%	0.2%	0.3%	0.3%	0.3%	0.6%	0.0%	0.1%	0.3%	0.3%
Canada total ^b	7.0%	18.3%	13.8%	9.2%	10.6%	3.5%	8.4%	7.2%	10.0%	2.7%	0.1%	6.9%	10.0%
Total percent	23.3%	40.8%	27.4%	22.6%	30.3%	15.0%	19.7%	14.6%	24.1%	12.0%	1.3%	17.3%	24.5%

Note: Lightly shaded cells represent escapements that were below the lower bound of the escapement goal range; dark shaded cells refer to fishery closures.

Table 6. Harvest estimates and rates for the Stikine River stock of Chinook salmon using CWT and GSI methodologies in various fisheries, areas and time periods in SEAK, 2008 to 2017, with preliminary 2018 estimates. Estimates of total escapement and total run are also shown. Averages for recent 5-year and 10-year periods do not include values from 2018.

Harvests	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	5-yr avg 2012-16	10-yr avg 2007-16
U.S. Winter Troll	1,456	1,472	1,708	572	1,678	938	0	354	274	411	0	395	886
U.S. Spring Troll	1,304	914	1,623	1,056	1,262	266	1,693	1,066	398	284	0	742	987
U.S. Summer Troll R1	0	556	0	468	120	0	0	0	110	0	0	22	125
U.S. Summer Troll R2	0	0	0	691	0	276	0	192	0	0	0	94	116
U.S. troll total	2,760	2,943	3,331	2,787	3,060	1,480	1,693	1,612	782	694	0	1,252	2,114
U.S. Outside Sport	471	423	0	515	100	476	0	207	387	394	0	293	297
U.S. Terminal Sport	1,453	887	586	650	608	636	697	781	438	139	10	538	688
U.S. sport total	1,924	1,310	586	1,165	708	1,112	697	988	825	533	10	831	985
U.S. net total	4,931	984	1,583	1,483	1,733	920	1,355	596	1,174	19	6	813	1,478
U.S. total ^a	9,615	5,237	5,500	5,435	5,501	3,512	3,745	3,196	2,781	1,246	16	2,896	4,577
Canada commercial	7,091	1,598	1,225	1,739	4,060	1,094	896	3,135	2,116	312	0	1,511	2,327
Canada assess/test	26	32	1,377	834	573	1,417	1,361	25	504	10	0	663	616
Canada sport	46	20	50	53	64	50	50	76	0	0	0	35	41
Canada Aboriginal	769	496	512	515	513	809	1,020	1,022	615	281	165	749	655
Canada total ^b	7,932	2,146	3,164	3,141	5,210	3,370	3,327	4,258	3,235	603	165	2,958	3,639
Total harvest	17,547	7,383	8,664	8,576	10,711	6,882	7,072	7,454	6,016	1,849	181	5,855	8,215
Total escapement ^c	18,352	12,803	15,116	14,482	22,327	16,783	24,366	21,597	10,343	10,000	8,344	16,101	16,359
Total run	35,899	20,186	23,780	23,058	33,038	23,665	31,438	29,051	16,359	9,055	8,525	21,956	24,574
Harvest Rates:													
U.S. Winter Troll	4.1%	7.3%	7.2%	2.5%	5.1%	4.0%	0.0%	1.2%	1.7%	4.5%	0.0%	1.8%	3.6%
U.S. Spring Troll	3.6%	4.5%	6.8%	4.6%	3.8%	1.1%	5.4%	3.7%	2.4%	3.1%	0.0%	3.4%	4.0%
U.S. Summer Troll R1	0.0%	2.8%	0.0%	2.0%	0.4%	0.0%	0.0%	0.0%	0.7%	0.0%	0.0%	0.1%	0.5%
U.S. Summer Troll R2	0.0%	0.0%	0.0%	3.0%	0.0%	1.2%	0.0%	0.7%	0.0%	0.0%	0.0%	0.4%	0.5%
U.S. troll total	7.7%	14.6%	14.0%	12.1%	9.3%	6.3%	5.4%	5.5%	4.8%	7.7%	0.0%	5.7%	8.6%
U.S. Outside Sport	1.3%	2.1%	0.0%	2.2%	0.3%	2.0%	0.0%	0.7%	2.4%	4.4%	0.0%	1.3%	1.2%
U.S. Terminal Sport	4.0%	4.4%	2.5%	2.8%	1.8%	2.7%	2.2%	2.7%	2.7%	1.5%	0.1%	2.4%	2.8%
U.S. sport total	5.4%	6.5%	2.5%	5.1%	2.1%	4.7%	2.2%	3.4%	5.0%	5.9%	0.0%	3.8%	4.0%
U.S. net total	13.7%	4.9%	6.7%	6.4%	5.2%	3.9%	4.3%	2.1%	7.2%	0.2%	0.1%	3.7%	6.0%
U.S. total ^a	26.8%	25.9%	23.1%	23.6%	16.7%	14.8%	11.9%	11.0%	17.0%	13.8%	0.2%	13.2%	18.6%
Canada commercial	24.4%	19.8%	7.9%	5.2%	7.5%	12.3%	4.6%	2.9%	10.8%	12.9%	0.0%	6.9%	9.5%
Canada assess/test	0.0%	0.1%	0.2%	5.8%	3.6%	1.7%	6.0%	4.3%	0.1%	3.1%	0.0%	3.0%	2.5%
Canada sport	0.0%	0.1%	0.1%	0.2%	0.2%	0.2%	0.2%	0.2%	0.3%	0.0%	0.0%	0.2%	0.2%
Canada Aboriginal	0.9%	2.1%	2.5%	2.2%	2.2%	1.6%	3.4%	3.2%	3.5%	3.8%	1.9%	3.4%	2.7%
Canada total ^b	25.3%	22.1%	10.6%	13.3%	13.6%	15.8%	14.2%	10.6%	14.7%	19.8%	1.9%	13.5%	14.8%
Total percent	65.0%	48.9%	36.6%	36.4%	37.2%	32.4%	29.1%	22.5%	25.7%	36.8%	2.1%	26.7%	33.4%

^a U.S. harvests in District 108 are germane to large (>659 mm) Chinook salmon and are GSI-based; harvests outside of District 108 are germane to Age 4 fish and older and are also CWT-based; the winter troll fishery occurs from October of the prior year through April of the current year; the spring troll fishery occurs from May through June of the current year; the troll summer R1 fishery occurs in July of the current year; the troll summer R2 fishery occurs from August through September of the prior year; the outside sport fishery occurs in areas of SEAK outside of District 108; and the terminal sport fishery occurs within District 108.

^b Canadian harvests in the commercial, assessment, test and aboriginal fisheries occur inriver from above the U.S./Canada border to the village of Tahltan and sport harvests are mostly in the headwaters of the Tahltan drainage.

^c The bilaterally agreed to BEG range for the Stikine River stock is 14,000 to 28,000 large (>659 mm) Chinook salmon.

Note: Lightly shaded cells represent escapements that were below the lower bound of the escapement goal range; dark shaded cells refer to fishery closures.

Table 7. Harvest estimates and rates for the Unuk River stock of Chinook salmon using CWT methodologies in various fisheries, areas and time periods in SEAK, 2008 to 2017, with preliminary 2018 estimates. Estimates of total escapement and total run are also shown. Averages for recent 5-year and 10-year periods do not include values from 2018.

Harvests	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	5-yr avg 2013-17	10-yr avg 2008-17
U.S. Winter Troll	171	73	540	118	1,167	30	137	92	206	193	11	132	273
U.S. Spring Troll	609	248	488	439	797	359	489	586	1,257	403	160	579	523
U.S. Summer Troll R1	128	210	137	70	86	24	120	334	53		77	106	116
U.S. Summer Troll R2		34		38	44	386		262		89		147	85
U.S. troll total	547	804	1,116	1,023	1,656	930	843	1,945	662	442	133	964	997
U.S. Sport Early	52	259	347	192	250	132	102	79	161	0	49	95	157
U.S. Sport Late	0	0	35	75	0	0	0	0	0	0	0	0	11
U.S. sport total	52	259	382	267	250	132	102	79	161	0	49	95	168
U.S. gillnet	153	49	46	160	158	193	205	350	387	65	211	240	177
U.S. seine	57	21	33	0	59	181	194	948	64	0	174	277	156
U.S. outside SEAK	0	0	0	0	232	0	0	63	85	0	0	30	38
U.S. net total	210	70	79	160	448	374	398	1,361	535	65	385	547	370
U.S. total harvest ^a	809	1,133	1,577	1,450	2,354	1,436	1,343	3,384	1,359	508	567	1,606	1,535
Canada harvest ^b	0	0	0	41	0	0	0	0	0	0	0	0	4
Total harvest	809	1,133	1,577	1,491	2,354	1,436	1,343	3,384	1,359	508	567	1,606	1,539
Total escapement ^c	3,104	3,157	3,835	3,195	956	1,135	1,691	2,623	1,463	1,203	1,971	1,623	2,236
Total run	3,913	4,290	5,412	4,686	3,310	2,571	3,034	6,007	2,822	1,711	2,538	3,229	3,776
Harvest Percents:													
U.S. Winter Troll	4.4%	1.7%	10.0%	2.5%	35.3%	1.2%	4.5%	1.5%	7.3%	11.3%	0.4%	5.2%	8.0%
U.S. Spring Troll	6.3%	11.4%	8.1%	17.0%	10.8%	19.0%	19.3%	20.9%	14.3%	9.3%	1.8%	16.6%	13.7%
U.S. Summer Troll R1	3.3%	4.9%	2.5%	1.5%	2.6%	0.9%	4.0%	5.6%	1.9%	0.0%	3.0%	2.5%	2.7%
U.S. Summer Troll R2	0.0%	0.8%	0.0%	0.8%	1.3%	15.0%		4.4%		5.2%		4.9%	2.8%
U.S. troll total	14.0%	18.8%	20.6%	21.8%	50.0%	36.2%	27.8%	32.4%	23.5%	25.8%	5.2%	29.1%	27.1%
U.S. Sport Early	1.3%	6.0%	6.4%	4.1%	7.5%	5.1%	3.4%	1.3%	5.7%	0.0%	1.9%	3.1%	4.1%
U.S. Sport Late	0.0%	0.0%	0.6%	1.6%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.2%
U.S. sport total	1.3%	6.0%	7.1%	5.7%	7.5%	5.1%	3.4%	1.3%	5.7%	0.0%	1.9%	3.1%	4.3%
U.S. gillnet	3.9%	1.1%	0.9%	3.4%	4.8%	7.5%	6.7%	5.8%	13.7%	3.8%	8.3%	7.4%	4.7%
U.S. seine	1.5%	0.5%	0.6%	0.0%	1.8%	7.0%	6.4%	15.8%	2.3%	0.0%	6.9%	8.6%	4.1%
U.S. outside SEAK	0.0%	0.0%	0.0%	0.0%	7.0%	0.0%	0.0%	1.0%	3.0%	0.0%	0.0%	0.9%	1.0%
U.S. net total	5.4%	1.6%	1.5%	3.4%	13.5%	14.6%	13.1%	22.7%	19.0%	3.8%	15.2%	16.9%	9.8%
U.S. total harvest ^a	20.7%	26.4%	29.1%	30.9%	71.1%	55.9%	44.3%	56.3%	48.1%	29.7%	22.3%	46.9%	41.3%
Canada harvest ^b	0.0%	0.0%	0.0%	0.9%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.1%
Total percent	20.7%	26.4%	29.1%	31.8%	71.1%	55.9%	44.3%	56.3%	48.1%	29.7%	22.3%	46.9%	41.4%

^a The troll winter fishery occurs from October of the prior year through April of the current year; the troll spring fishery occurs May through June; the troll summer R1 fishery occurs in July of the current year; the summer R2 fishery occurs from August through September of the prior year; the sport early fishery occurs from mid-April through July of the current year; the sport late fishery occurs in August of the prior year; the net fishery includes the SEAK seine and gillnet fisheries, and the outside Southeast net fishery includes recoveries in trawl fisheries in other regions of Alaska (GOA) and some sport recoveries from lower Cook Inlet (Homer) and Kodiak.

^b Canadian harvests include recoveries in Northern British Columbia fisheries.

^c The bilaterally agreed to BEG range for the Unuk River stock is 1,800 to 3,800 large (>659 mm) Chinook salmon.

Note: Lightly shaded cells represent escapements that were below the lower bound of the escapement goal range; dark shaded cells refer to fishery closures.

Table 8. Harvest estimates using GSI methods for Nass River Chinook salmon in various fisheries, areas and time periods in SEAK and NBC, 2008–2017 with preliminary 2018 estimates. Estimates of escapement and total run also shown.

SEAK Troll	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	5-yr avg 2013-17	10-yr 2008-17
Troll Early Winter ^a	5	12	124	63	10	20	116	1	298	16		90	67
Troll Late Winter ^b	33	426	211	324	402	5	381	20	51	141		120	199
Troll Spring ^c	124	196	287	404	111	76	102	331	266	40		163	194
Troll Summer R1 ^d		203	10	493	242	50	83	1,167	90	106		299	272
Troll Summer R2 ^d	87	5	5	101	261		278		264			271	143
Troll total	250	841	638	1,385	1,026	152	960	1,519	969	303		943	875
SEAK Sport													
Outside	45	3	5	15	2	9	34	111	12	221		77	46
Northern Inside	2	1	7	1	19	0	1	1	0			1	4
Petersburg/Wrangell	1	1	1	1	0	2	0	0	0			1	1
Ketchikan	56	209	132	108	125	15	503	381	258	55		242	184
Sport total ^e	103	215	145	125	146	26	538	494	271	276		321	235
SEAK Net total ^f	14	96	22	22	13	8	88	163	444	103		565	424
SEAK Total ^g	367	1,152	805	1,532	1,185	186	1,586	2,176	1,684	682	568	1,263	1,136
NBC													
AABM Troll	45	274	268	383	422	180	84	424	81	49	147	164	221
AABM Sport	171	323	331	283	866	67	100	305	484	50	39	201	298
ISBM Sport	1,221	1,037	67	615	544	119	893	500	469	727	198	542	619
ISBM Net	340	849	554	821	372	904	1,561	1,376	658	998	0	1,099	843
Terminal Sport	1,317	1,296	547	569	550	472	864	589	341	199	0	493	674
Terminal FN	4,624	5,583	4,669	4,687	3,652	4,404	5,986	8,503	5,510	3,708	4,735	5,622	5,133
Canada total	7,718	9,362	6,436	7,358	6,406	6,146	9,488	11,697	7,543	5,731	5,119	8,121	7,788
Total harvest	8,085	10,514	7,241	8,890	7,591	6,332	11,074	13,873	9,227	6,413	5,687	9,384	8,924
Total Escapement ^h	19,630	26,226	18,381	9,600	8,688	8,011	11,509	18,262	9,037	4,419	13,262	10,248	13,376
Total Run	27,715	36,740	25,622	18,490	16,279	14,343	22,583	32,135	18,264	10,832	18,949	19,632	22,300

^a Troll Early Winter occurs from October through December of the prior year

^b Troll Late Winter occurs from January through April

^c Troll Spring occurs from May through June; CWT-based estimates were used in 2007 for NE quadrant due to insufficient GSI sample size

^d Troll Summer R1 occurs in July and Summer R2 occurs from August through September of the current year

^e Sport includes terminal D111 and is based on GSI; outside D111 is based on CWT

^f Net includes terminal D111 based on GSI; outside D111 based on CWT

^g Harvest estimates in D111 are germane to large fish only and are GSI-based; harvest estimates outside D111 are germane to fish >age-1.2 and all troll are GSI-based minus Spring Troll in the NE quadrant in 2007 which are CWT-based; all other gear outside of D111 (net/sport) are CWT-based

^h Escapement estimated above Gitwinksihkw, the location of the lower fish wheels on the Nass River used to capture Chinook salmon for the MR estimate.

Note: Lightly shaded cells are place holders for strata without GSI samples and are based on catches in adjacent years and averages do not include place holder values. Dark shaded cells equate to fishery closures.

Orange cells are place holders for the 2018 SEAK catch based on pre-season ER estimates of 3% and for the 2018 Nass River escapement estimate which could be as low as 7,261.

Table 9. Harvest rates using GSI methods for Nass River Chinook salmon in various fisheries, areas and time periods in SEAK and NBC, 2008–2017 with preliminary 2018 estimates.

SEAK Troll	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	5-yr avg 2013-17	10-yr avg 2008-17
Troll Early Winter ^a	0.0%	0.0%	0.5%	0.3%	0.1%	0.1%	0.5%	0.0%	1.6%	0.1%	0.1%	0.5%	0.3%
Troll Late Winter ^b	0.1%	1.2%	0.8%	1.8%	2.5%	0.0%	1.7%	0.0%	0.3%	1.3%	0.1%	0.6%	0.9%
Troll Spring ^c	0.4%	0.5%	1.1%	2.2%	0.7%	0.5%	0.5%	1.0%	1.5%	0.4%	0.9%	0.8%	0.9%
Troll Summer R1 ^d	0.0%	0.6%	0.0%	2.7%	1.5%	0.3%	0.4%	3.6%	0.5%	1.0%	1.0%	1.5%	1.2%
Troll Summer R2 ^d	0.3%	0.0%	0.0%	0.5%	1.6%	1.1%	1.2%	1.4%	1.4%	1.4%	1.4%	1.4%	0.6%
Troll total	0.9%	2.3%	2.5%	7.5%	6.3%	1.1%	4.3%	4.7%	5.3%	2.8%	2.8%	4.8%	3.9%
SEAK Sport													
Outside	0.2%	0.0%	0.0%	0.1%	0.0%	0.1%	0.2%	0.3%	0.1%	2.0%	0.2%	0.4%	0.2%
Northern Inside	0.0%	0.0%	0.0%	0.0%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Petersburg/Wrangell	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Ketchikan	0.2%	0.6%	0.5%	0.6%	0.8%	0.1%	2.2%	1.2%	1.4%	0.5%	0.8%	1.2%	0.8%
Sport total ^e	0.4%	0.6%	0.6%	0.7%	0.9%	0.2%	2.4%	1.5%	1.5%	2.5%	1.1%	1.6%	1.1%
SEAK Net total ^f	0.1%	0.3%	0.1%	0.1%	0.1%	0.1%	0.4%	0.5%	2.4%	1.0%	1.0%	2.9%	1.9%
SEAK Total ^g	1.3%	3.1%	3.1%	8.3%	7.3%	1.3%	7.0%	6.8%	9.2%	6.3%	3.0%	6.4%	5.1%
NBC													
AABM Troll	0.2%	0.7%	1.0%	2.1%	2.6%	1.3%	0.4%	1.3%	0.4%	0.5%	0.8%	0.8%	1.0%
AABM Sport	0.6%	0.9%	1.3%	1.5%	5.3%	0.5%	0.4%	0.9%	2.6%	0.5%	0.2%	1.0%	1.3%
ISBM Sport	4.4%	2.8%	0.3%	3.3%	3.3%	0.8%	4.0%	1.6%	2.6%	6.7%	1.0%	2.8%	2.8%
ISBM Net	1.2%	2.3%	2.2%	4.4%	2.3%	6.3%	6.9%	4.3%	3.6%	9.2%	0.0%	5.6%	3.8%
Terminal Sport	4.8%	3.5%	2.1%	3.1%	3.4%	3.3%	3.8%	1.8%	1.9%	1.8%	0.0%	2.5%	3.0%
Terminal FN	16.7%	15.2%	18.2%	25.3%	22.4%	30.7%	26.5%	26.5%	30.2%	34.2%	25.0%	28.6%	23.0%
Canada total	27.8%	25.5%	25.1%	39.8%	39.4%	42.9%	42.0%	36.4%	41.3%	52.9%	27.0%	41.4%	34.9%
Total harvest	29.2%	28.6%	28.3%	48.1%	46.6%	44.1%	49.0%	43.2%	50.5%	59.2%	30.0%	47.8%	40.0%
Escapement ^h	70.8%	71.4%	71.7%	51.9%	53.4%	55.9%	51.0%	56.8%	49.5%	40.8%	70.0%	52.2%	60.0%

^a Troll Early Winter occurs from October through December of the prior year

^b Troll Late Winter occurs from January through April

^c Troll Spring occurs from May through June; CWT-based estimates were used in 2007 for NE quadrant due to insufficient GSI sample size

^d Troll Summer R1 occurs in July and Summer R2 occurs from August through September of the current year

^e Sport includes terminal D111 and is based on GSI; outside D111 is based on CWT

^f Net includes terminal D111 based on GSI; outside D111 based on CWT

^g Harvest estimates in D111 are germane to large fish only and are GSI-based; harvest estimates outside D111 are germane to fish ≥age-1.2 and all troll are GSI-based minus Spring Troll in the NE quadrant in 2007 which are CWT-based; all other gear outside of D111 (net/sport) are CWT-based

^h Escapement estimated above Gitwinksihkw, the location of the lower fish wheels on the Nass River used to capture Chinook salmon for the MR estimate.

Note: Lightly shaded cells are place holders for strata without GSI samples and are based on catches in adjacent years and averages do not include place holder values. Dark shaded cells equate to fishery closures.

Orange cells are place holders for the 2018 SEAK catch based on pre-season ER estimates of 3% and for the 2018 Nass River escapement estimate which may be lower.

Table 10. Harvest estimates using GSI methods for Skeena River Chinook salmon in various fisheries, areas and time periods in SEAK and NBC, 2007–2017 with preliminary 2018 estimates. Estimates of escapement and total run also shown.

SEAK Troll	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	5-yr avg 2013-17	10-yr 2008-17
Troll Early Winter ^a	0	96	59	8	192	117	138	121	241	82		140	105
Troll Late Winter ^b	616	1,283	714	884	506	1,686	479	526	383	586		732	766
Troll Spring ^c	502	863	250	163	525	550	229	596	334	104		363	411
Troll Summer R1 ^d	1,678	2,641	118	2,366	2,086	813	1,630	5,360	292	707		1,760	1,769
Troll Summer R2 ^e	87	4	42	93	810		448		40			98	152
Troll total	2,882	4,887	1,183	3,514	4,119	3,166	2,923	6,603	1,290	1,479		3,093	3,203
SEAK Sport													
Outside	807	549	1,300	1,514	250	992	616	839	2,651	1,421		1,304	1,094
Northern Inside	15	2	142	12	74	99	335	299	138			218	124
Petersburg/Wrangell	111	194	91	73	121	66	216	229	481			248	176
Ketchikan	37	69	44	68	57	136	379	212	193	352		254	155
Sport total ^f	971	814	1,577	1,667	501	1,293	1,546	1,580	3,463	1,774		2,024	1,549
SEAK Net Total	53	450	46	103	72	63	327	1,027	1,040	448		2,744	2,004
SEAK Total ^g	3,906	6,151	2,806	5,283	4,692	4,523	4,797	9,209	5,793	3,700	3,164	5,604	5,086
NBC													
AABM Troll	1,357	3,313	1,826	1,484	2,256	1,457	1,978	2,035	1,445	1,156	1,002	1,614	1,831
AABM Sport	3,828	4,530	1,795	2,208	2,176	2,997	1,323	1,813	2,365	1,524	1,285	2,004	2,456
ASBM Sport	5,516	2,457	3,058	3,500	3,725	2,857	2,722	3,947	2,831	2,318	721	2,935	3,293
ISBM Net	391	113	113	180	24	56	162	104	43	65	0	86	125
Terminal Net RGS	4,507	2,438	906	1,414	314	997	423	621	392	0		487	1,201
Tyee Test Fishery	1,293	1,189	958	975	595	576	564	849	415	375	671	556	779
Terminal Sport	2,500	2,500	2,351	1,693	419	1,530	2,691	3,440	2,246	619		2,105	1,999
Terminal FN	8,326	6,052	6,239	4,130	2,708	2,161	3,560	6,365	3,606	4,713	8,036	4,081	4,786
Canada total	27,719	22,592	17,247	15,584	12,217	12,631	13,423	19,174	13,343	10,771	11,715	13,868	16,470
Total harvest	31,624	28,743	20,052	20,867	16,909	17,153	18,219	28,383	19,136	14,471	14,879	17,949	21,256
Total Escapement	71,446	80,900	101,486	53,682	33,473	39,179	44,200	53,770	31,297	18,480	33,802	37,385	52,791
Total Run	103,070	109,642	121,539	74,549	50,382	56,333	62,419	82,153	50,433	32,951	48,681	55,334	74,047

^a Troll Early Winter occurs from October through December of the prior year

^b Troll Late Winter occurs from January through April

^c Troll Spring occurs from May through June; CWT-based estimates were used in 2007 for NE quadrant due to insufficient GSI sample size

^d Troll Summer R1 occurs in July and Summer R2 occurs from August through September of the current year

^e Sport includes terminal D111 and is based on GSI; outside D111 is based on CWT

^f Net includes terminal D111 based on GSI; outside D111 based on CWT

^g Harvest estimates in D111 are germane to large fish only and are GSI-based; harvest estimates outside D111 are germane to fish ≥age-1.2 and all troll are GSI-based minus Spring Troll in the NE quadrant in 2007 which are CWT-based; all other gear outside of D111 (net/sport) are CWT-based

Note: Lightly shaded cells are place holders for strata without GSI samples and are based on catches in adjacent years and averages do not include place holder values. Dark shaded cells equate to fishery closures.

Orange cell is a place holder for 2018 SEAK catch calculated from pre-season ER estimate of 6.5%.

Table 11. Harvest rates using GSI methods for Skeena River Chinook salmon in various fisheries, areas and time periods in SEAK and NBC, 2007–2017. The 2017 estimates are preliminary.

SEAK Troll	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	5-yr avg 2013-17	10-yr avg 2008-17
Troll Early Winter ^a	0.0%	0.1%	0.0%	0.0%	0.4%	0.2%	0.2%	0.1%	0.5%	0.2%	0.2%	0.3%	0.1%
Troll Late Winter ^b	0.6%	1.2%	0.6%	1.2%	1.0%	3.0%	0.8%	0.6%	0.8%	1.8%	1.8%	1.3%	1.0%
Troll Spring ^c	0.5%	0.8%	0.2%	0.2%	1.0%	1.0%	0.4%	0.7%	0.7%	0.3%	0.6%	0.7%	0.6%
Troll Summer R1 ^d	1.6%	2.4%	0.1%	3.2%	4.1%	1.4%	2.6%	6.5%	0.6%	2.1%	2.4%	3.2%	2.4%
Troll Summer R2 ^d	0.1%	0.0%	0.0%	0.1%	1.6%	0.0%	0.7%	0.0%	0.1%	0.0%	0.2%	0.2%	0.2%
Troll total	2.8%	4.5%	1.0%	4.7%	8.2%	5.6%	4.7%	8.0%	2.6%	4.5%	5.6%	5.6%	4.3%
SEAK Sport													
Outside	0.8%	0.5%	1.1%	2.0%	0.5%	1.8%	1.0%	1.0%	5.3%	4.3%	2.4%	2.4%	1.5%
Northern Inside	0.0%	0.0%	0.1%	0.0%	0.1%	0.2%	0.5%	0.4%	0.3%	0.0%	0.4%	0.4%	0.2%
Petersburg/Wrangell	0.1%	0.2%	0.1%	0.1%	0.2%	0.1%	0.3%	0.3%	1.0%	0.0%	0.4%	0.4%	0.2%
Ketchikan	0.0%	0.1%	0.0%	0.1%	0.1%	0.2%	0.6%	0.3%	0.4%	1.1%	0.5%	0.5%	0.2%
Sport total ^e	0.9%	0.7%	1.3%	2.2%	1.0%	2.3%	2.5%	1.9%	6.9%	5.4%	3.7%	3.7%	2.1%
SEAK Net Total	0.1%	0.4%	0.0%	0.1%	0.1%	0.1%	0.5%	1.3%	2.1%	1.4%	6.5%	5.0%	2.7%
SEAK Total^f	3.8%	5.6%	2.3%	7.1%	9.3%	8.0%	7.7%	11.2%	11.5%	11.2%	6.5%	10.1%	6.9%
NBC													
AABM Troll	1.3%	3.0%	1.5%	2.0%	4.5%	2.6%	3.2%	2.5%	2.9%	3.5%	2.1%	2.9%	2.5%
AABM Sport	3.7%	4.1%	1.5%	3.0%	4.3%	5.3%	2.1%	2.2%	4.7%	4.6%	2.6%	3.6%	3.3%
ISBM Sport	5.4%	2.2%	2.5%	4.7%	7.4%	5.1%	4.4%	4.8%	5.6%	7.0%	1.5%	5.3%	4.4%
ISBM Net	0.4%	0.1%	0.1%	0.2%	0.0%	0.1%	0.3%	0.1%	0.1%	0.2%	0.0%	0.2%	0.2%
Terminal Net RGS	4.4%	2.2%	0.7%	1.9%	0.6%	1.8%	0.7%	0.8%	0.8%	0.0%	0.9%	0.9%	1.6%
Tyee Test Fishery	1.3%	1.1%	0.8%	1.3%	1.2%	1.0%	0.9%	1.0%	0.8%	1.1%	1.4%	1.0%	1.1%
Terminal Sport	2.4%	2.3%	1.9%	2.3%	0.8%	2.7%	4.3%	4.2%	4.5%	1.9%	3.8%	3.8%	2.7%
Terminal FN	8.1%	5.5%	5.1%	5.5%	5.4%	3.8%	5.7%	7.7%	7.2%	14.3%	16.5%	7.4%	6.5%
Canada total	26.9%	20.6%	14.2%	20.9%	24.2%	22.4%	21.5%	23.3%	26.5%	32.7%	24.1%	25.1%	22.2%
Total harvest	30.7%	26.2%	16.5%	28.0%	33.6%	30.5%	29.2%	34.5%	37.9%	43.9%	30.6%	32.4%	28.7%
Escapement	69.3%	73.8%	83.5%	72.0%	66.4%	69.5%	70.8%	65.5%	62.1%	56.1%	69.4%	67.6%	71.3%

^a Troll Early Winter occurs from October through December of the prior year

^b Troll Late Winter occurs from January through April

^c Troll Spring occurs from May through June; CWT-based estimates were used in 2007 for NE quadrant due to insufficient GSI sample size

^d Troll Summer R1 occurs in July and Summer R2 occurs from August through September of the current year

^e Sport includes terminal D111 and is based on GSI; outside D111 is based on CWT

^f Net includes terminal D111 based on GSI; outside D111 based on CWT

^g Harvest estimates in D111 are germane to large fish only and are GSI-based; harvest estimates outside D111 are germane to fish >age-1.2 and all troll are GSI-based minus Spring Troll in the NE quadrant in 2007 which are CWT-based; all other gear outside of D111 (net/sport) are CWT-based

Note: Lightly shaded cells are place holders for strata without GSI samples and are based on catches in adjacent years and averages do not include place holder values. Dark shaded cells equate to fishery closures.

Orange cell is a place holder for 2018 SEAK catch calculated from pre-season ER estimate of 6.5%.

Table 12. Harvests and exploitation rates estimated using GSI methods for 2018 Nass River Chinook salmon in various fisheries compared with 10-year averages and the expected pre-season percent exploitation rate (%ER). Catch and escapement estimates in 2018 are preliminary.

	2018 Option	Expected Reduction	10-yr Avg %ER	2018 expected %ER	2018 actual %ER High esc.	2018 actual %ER Low esc.	10-yr Avg catch	2018 actual catch High esc.	2018 actual catch Low esc.
SEAK Troll									
Troll Early Winter ^a		0%	2007-16 0.3%	0.3%			81		
Troll Late Winter ^b	Closed	100%	0.7%	0.0%			185		
Troll Spring ^c	Closed	100%	0.8%	0.0%			200		
Troll Summer R1 ^d		0%	0.9%	0.9%			234		
Troll Summer R2 ^d		0%	0.4%	0.4%			100		
Troll total		48%	3.2%	1.7%			800		
SEAK Sport									
Outside		0%	0.3%	0.3%			67		
Northern Inside		0%	0.0%	0.0%			3		
Petersburg/Wrangell		0%	0.0%	0.0%			1		
Ketchikan		0%	0.9%	0.9%			223		
Sport total ^e		0%	1.2%	1.2%			294		
SEAK Net total ^f		0%	0.4%	0.4%			105		
SEAK Total^g		32%	4.8%	3.3%	3.0%	3.0%	1,199	568	383
NBC									
AABM Troll	Open July 10	67%	1.1%	0.4%	0.8%	1.2%	275	147	147
AABM Sport	Bag1&2 Jun 1 - Jul 9	34%	1.6%	1.0%	0.2%	0.3%	389	39	39
ISBM Sport	Bag1&2 Jun 1-15, CNR Jun 16 - Jul 9, Bag1&2 Jul 10-31	83%	2.5%	0.4%	1.0%	1.6%	627	198	198
ISBM Net	Closed	100%	4.4%	0.0%	0.0%	0.0%	1,088	0	0
Terminal Sport	Closed	100%	3.2%	0.0%	0.0%	0.0%	806	0	0
Terminal FN	No change	0%	21.8%	21.8%	25.0%	37.1%	5,437	4,735	4,735
Canada Total			34.5%	23.6%	27.0%	40.1%	8,622	5,119	5,119
Total harvest			39.3%	26.9%	30.0%	43.1%	9,821	5,687	5,502
Total Escapement ^h			60.7%	73.1%	70.0%	56.9%	17,083	13,262	7,261
Total Run							26,904	18,949	12,763

^a Troll Early Winter occurs from October through December of the prior year

^b Troll Late Winter occurs from January through April

^c Troll Spring occurs from May through June; CWT-based estimates were used in 2007 for NE quadrant due to insufficient GSI sample size

^d Troll Summer R1 occurs in July of the current year, Summer R2 occurs from August through September of the prior year

^e Sport includes terminal D111 and is based on GSI; outside D111 is based on CWT

^f Net includes terminal D111 based on GSI; outside D111 based on CWT

^g Harvest estimates in D111 are germane to large fish only and are GSI-based; harvest estimates outside D111 are germane to fish ≥age-1.2 and all troll are GSI-based minus Spring Troll in the NE quadrant in 2007 which are CWT-based; all other gear outside of D111 (net/sport) are CWT-based

^h Bag 1&2 refers to a sport fishing daily limit of 1 Chinook salmon per day and a possession limit of 2 Chinook salmon, CNR = Chinook non-retention

ⁱ Escapement estimated above Gitwinkshikw, the location of the lower fish wheels on the Nass River used to capture Chinook salmon for the MR estimate.

Table 13. Harvests and exploitation rates estimated using GSI methods for 2018 Skeena River Chinook salmon in various fisheries compared with 10-year averages and the expected pre-season percent exploitation rate (%ER). Catch and escapement estimates in 2018 are preliminary.

	2018 Option	Expected Reduction	10-yr Avg %ER	2018 expected %ER	2018 actual %ER	10-yr Avg catch	2018 actual catch & esc
SEAK Troll							
Troll Early Winter ^a		0%	2007-16 0.1%	0.1%		105	
Troll Late Winter ^b	Closed	100%	1.1%	0.0%		947	
Troll Spring ^c	Closed	100%	0.6%	0.0%		525	
Troll Summer R1 ^d		0%	3.3%	3.3%		2,823	
Troll Summer R2 ^d		0%	0.2%	0.2%		156	
Troll total		32%	5.4%	3.7%		4,555	
SEAK Sport							
Outside		0%	1.7%	1.7%		1,415	
Northern Inside		0%	0.2%	0.2%		140	
Petersburg/Wrangell		0%	0.2%	0.2%		196	
Ketchikan		0%	0.2%	0.2%		137	
Sport total ^e		0%	2.2%	2.2%		1,888	
SEAK Net total ^f		0%	0.6%	0.6%		517	
SEAK Total^g			8.2%	6.5%	6.5%	6,960	3,164
NBC							
AABM Troll	Open July 10	60%	2.5%	1.0%	2.1%	2,115	1,002
AABM Sport	Bag1&2 Jun 1 - Jul 9	33%	3.4%	2.2%	2.6%	2,834	1,285
ISBM Sport	Bag1&2 Jun 1-15, CNR Jun 16 - Jul 9, Bag1&2 Jul 10-31	63%	4.0%	1.5%	1.5%	3,389	721
ISBM Net	Closed	100%	0.2%	0.0%	0.0%	158	0
Terminal Net RGS	Closed	100%	2.0%	0.0%	0.0%	1,659	0
Tyee Test Fishery	No change	0%	1.0%	1.0%	1.4%	872	671
Terminal Sport	Closed	100%	2.4%	0.0%	0.0%	2,053	0
Terminal FN	No change	0%	5.7%	14.3%	16.5%	4,808	8,036
Canada Total			21.2%	20.1%	24.1%	17,888	11,715
Total harvest			29.4%	0	30.6%	24,848	14,879
Total Escapement			70.6%	73.4%	69.4%	17,083	33,802
Total Run						41,931	48,681

^a Troll Early Winter occurs from October through December of the prior year

^b Troll Late Winter occurs from January through April

^c Troll Spring occurs from May through June; CWT-based estimates were used in 2007 for NE quadrant due to insufficient GSI sample size

^d Troll Summer R1 occurs in July of the current year; Summer R2 occurs from August through September of the prior year

^e Sport includes terminal D111 and is based on GSI; outside D111 is based on CWT

^f Net includes terminal D111 based on GSI; outside D111 based on CWT

^g Harvest estimates in D111 are germane to large fish only and are GSI-based; harvest estimates outside D111 are germane to fish >age-1.2 and all troll are GSI-based minus Spring Troll in the NE quadrant in 2007 which are CWT-based; all other gear outside of D111 (net/sport) are CWT-based

^h Bag 1&2 refers to a sport fishing daily limit of 1 Chinook salmon per day and a possession limit of 2 Chinook salmon, CNR = Chinook non-retention

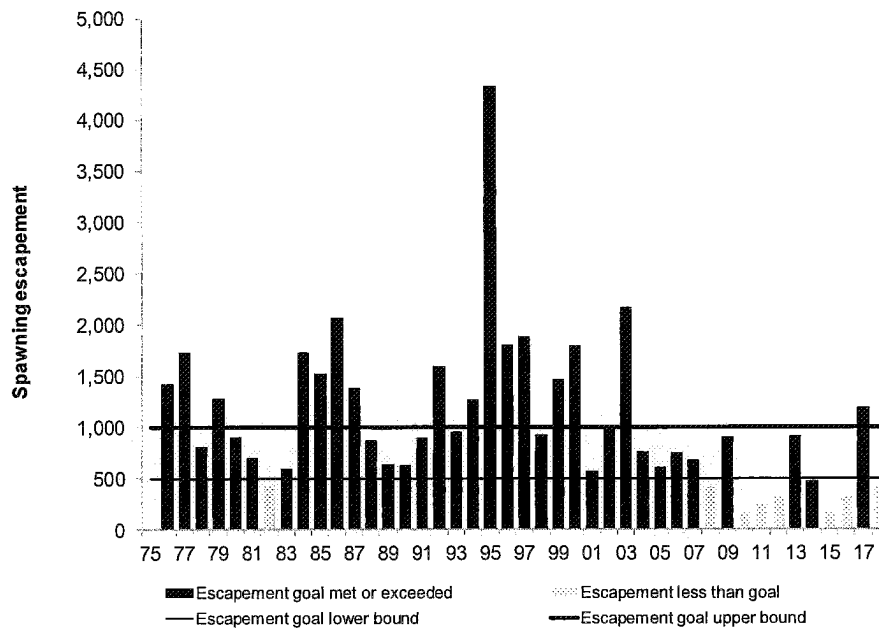


Figure 1. Situk River Chinook salmon escapements, 1976 to 2018, along with the biological escapement goal of 500 to 1,000 fish.

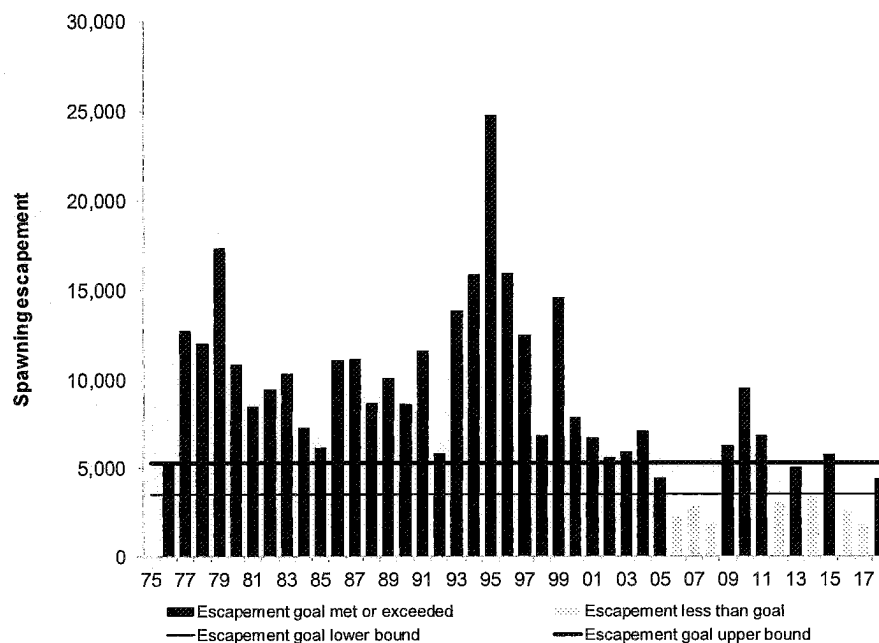


Figure 2. Alesek River Chinook salmon escapements, 1976 to 2018, along with the biological escapement goal of 3,500 to 5,300 fish.

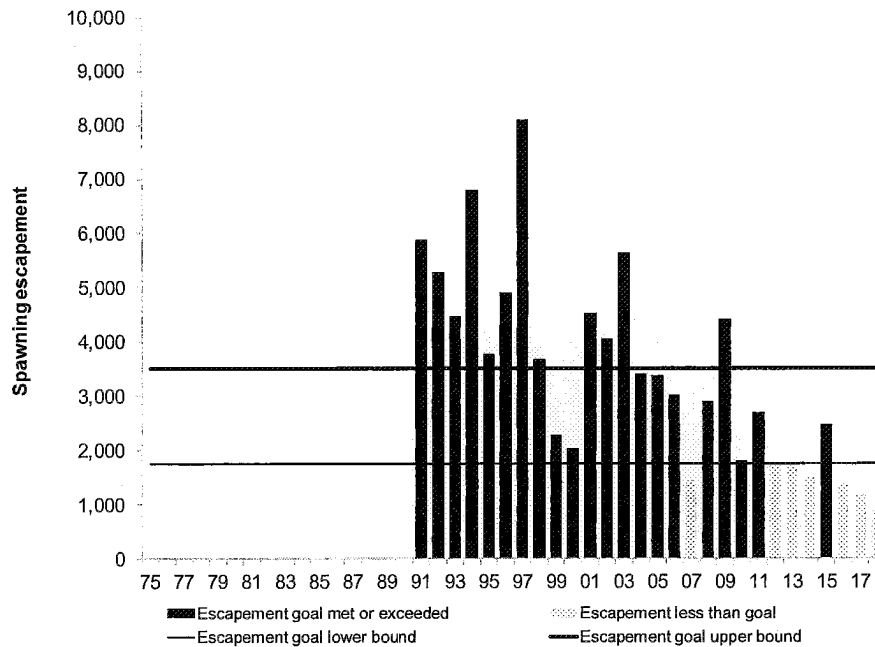


Figure 3. Chilkat River Chinook salmon escapements, 1991 to 2018, along with the biological escapement goal of 1,750 to 3,500 fish.

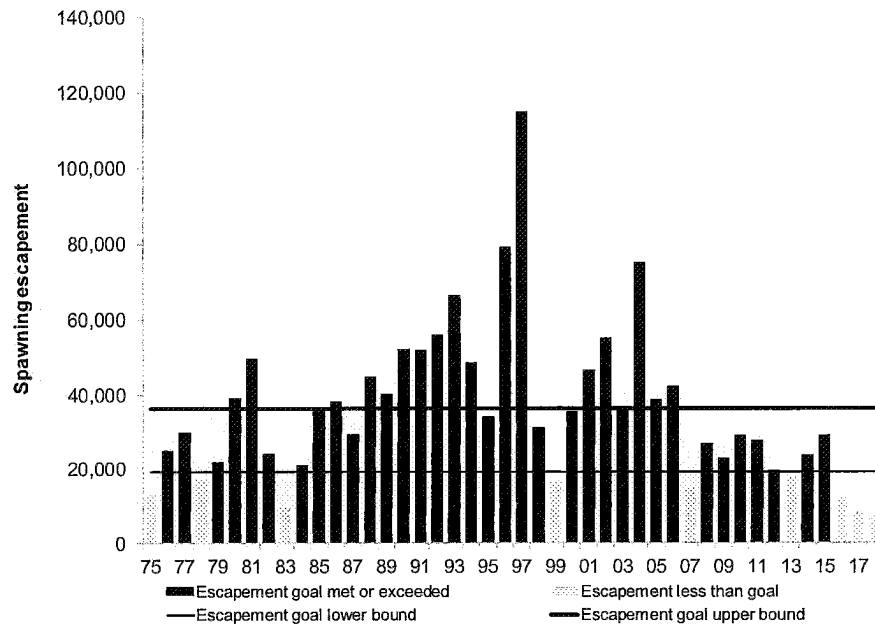


Figure 4. Taku River Chinook salmon escapements, 1975 to 2018, along with the biological escapement goal of 19,000 to 36,000 fish.

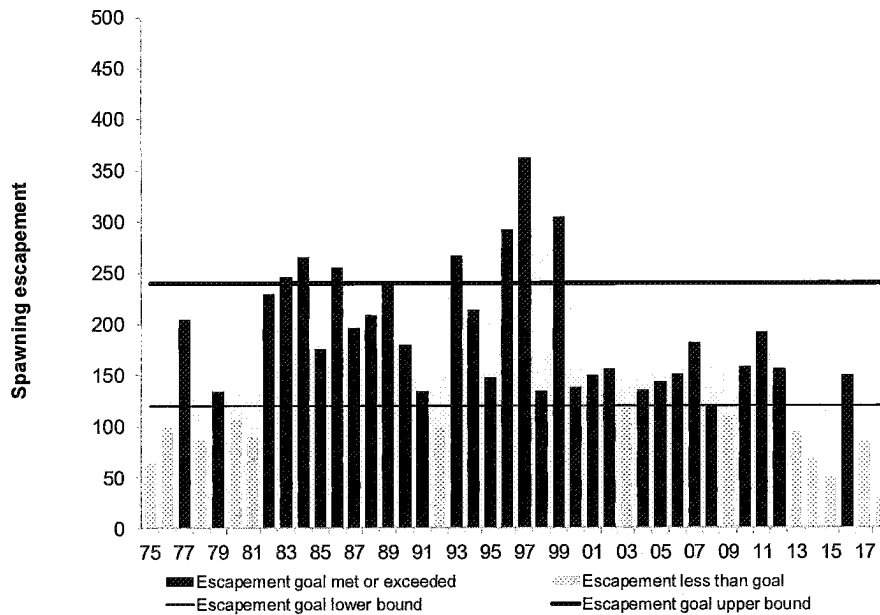


Figure 5. King Salmon River Chinook salmon escapements, 1975 to 2018, along with the biological escapement goal of 120 to 240 fish.

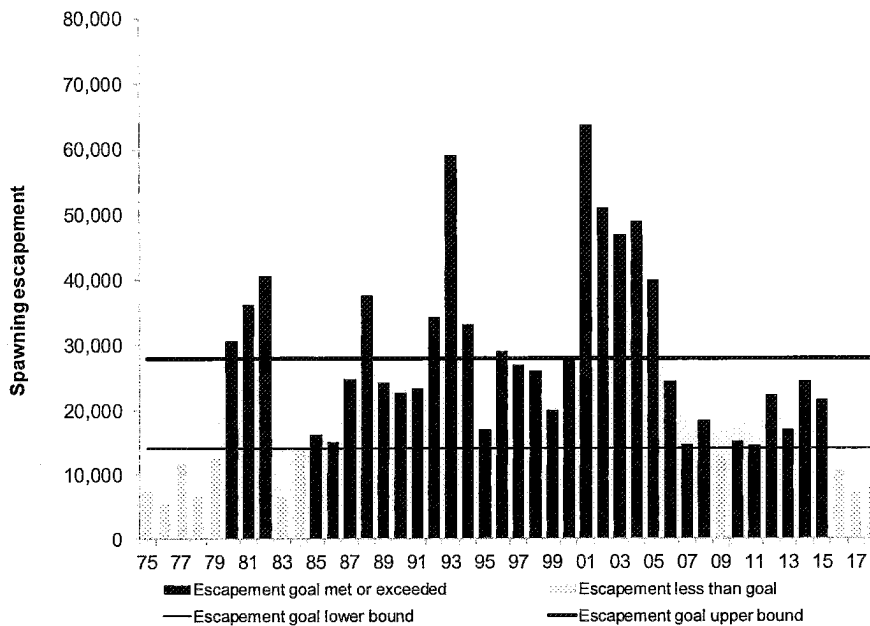


Figure 6. Stikine River Chinook salmon escapements, 1975 to 2018, along with the biological escapement goal of 14,000 to 28,000 fish.

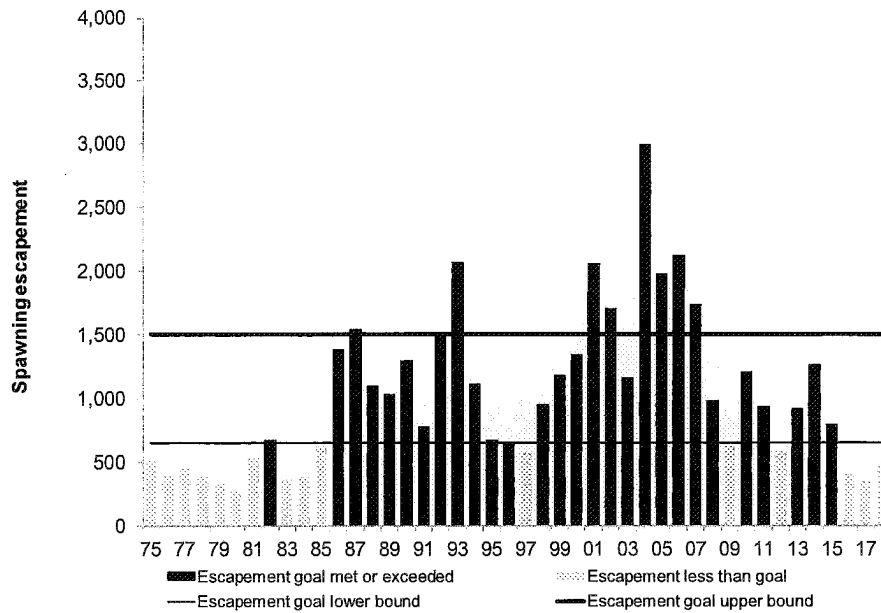


Figure 7. Andrew Creek Chinook salmon escapements, 1975 to 2018, along with the biological escapement goal of 650 to 1,500 fish.

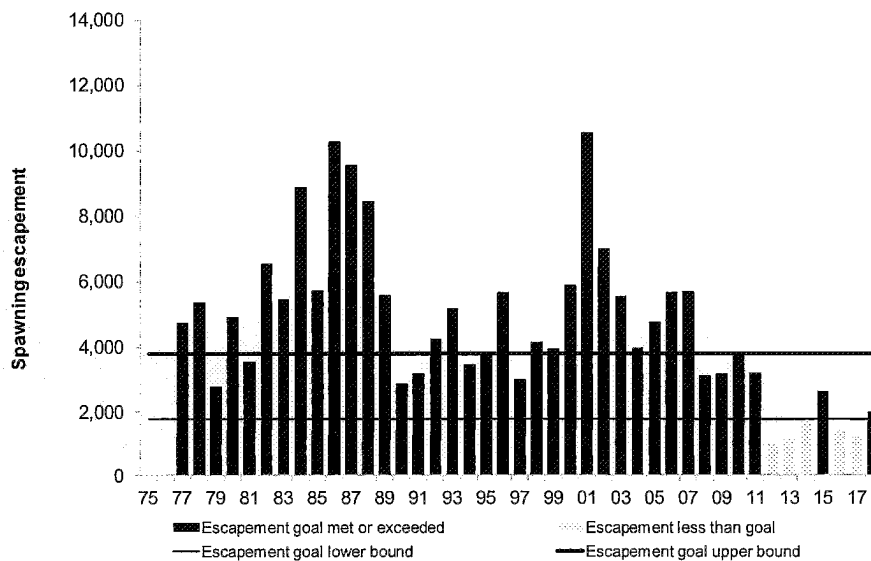


Figure 8. Unuk River Chinook salmon escapements, 1977 to 2018, along with the biological escapement goal of 1,800 to 3,800 fish.

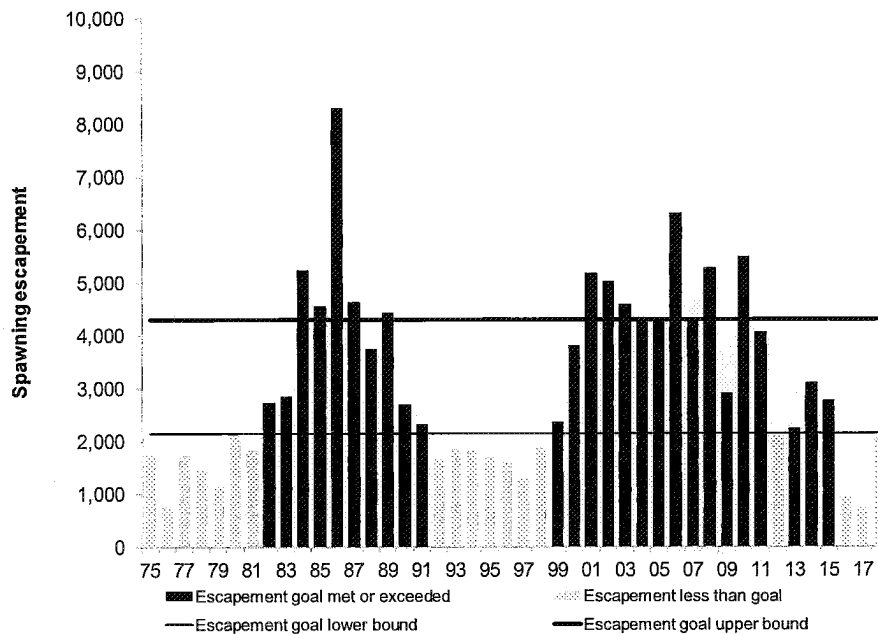


Figure 9. Chickamin River Chinook salmon escapements, 1975 to 2018, along with the biological escapement goal of 2,150 to 4,300 fish.

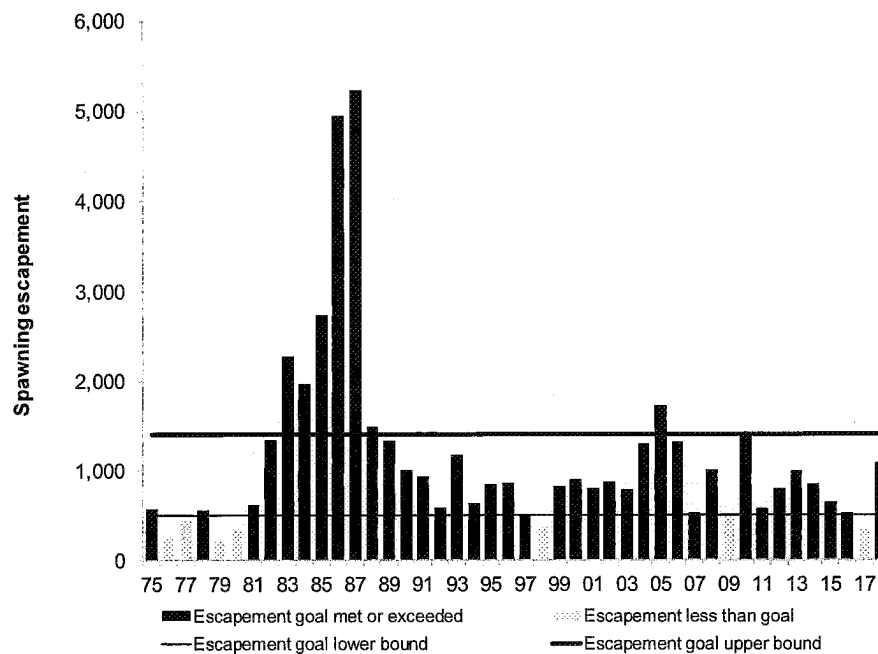


Figure 10. Blossom River Chinook salmon escapements, 1975 to 2018, along with the biological escapement goal of 500 to 1,400 fish.

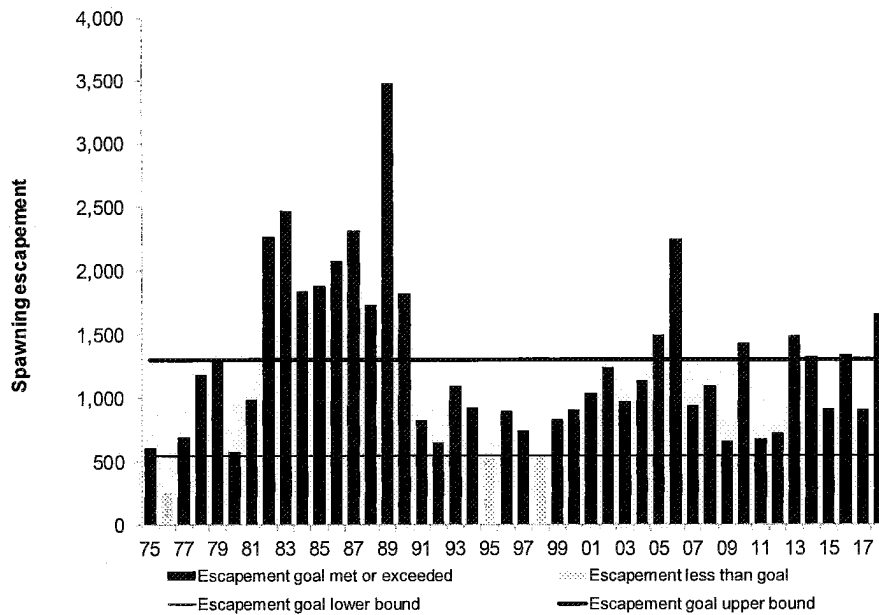


Figure 11. Keta River Chinook salmon escapements, 1975 to 2018, along with the biological escapement goal of 550 to 1,300 fish.

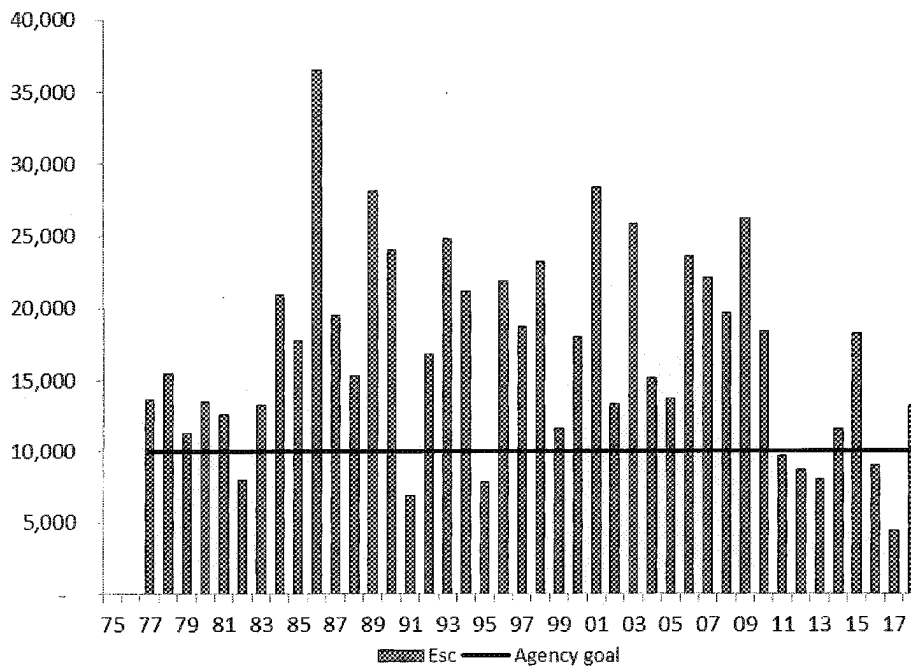


Figure 12. Nass River Chinook salmon escapements, 1977 to 2018, relative to the agency goal of 10,000 minimum escapement.

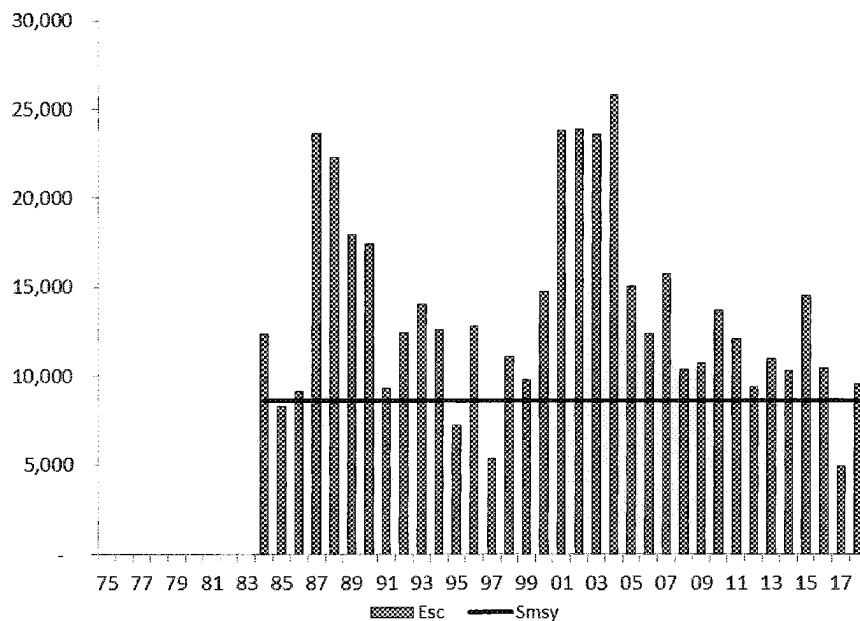


Figure 13. Kitsumkalum River Chinook salmon escapements, 1984 to 2018, relative to the Smsy estimate of 8,621.

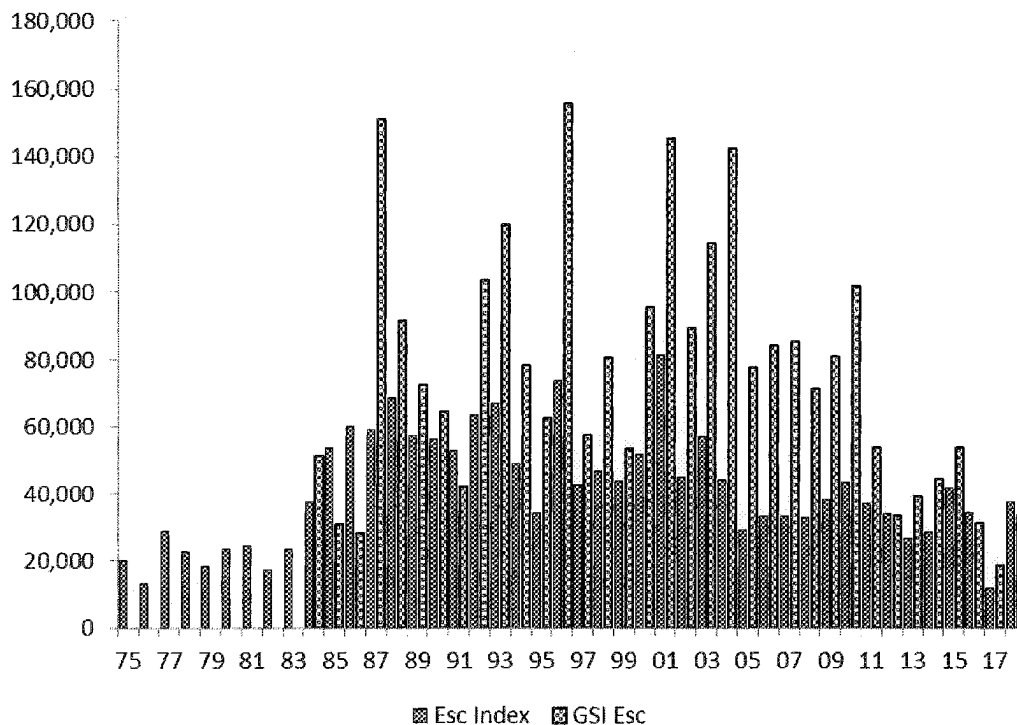


Figure 14. Skeena River Chinook salmon escapements, 1975 to 2018.

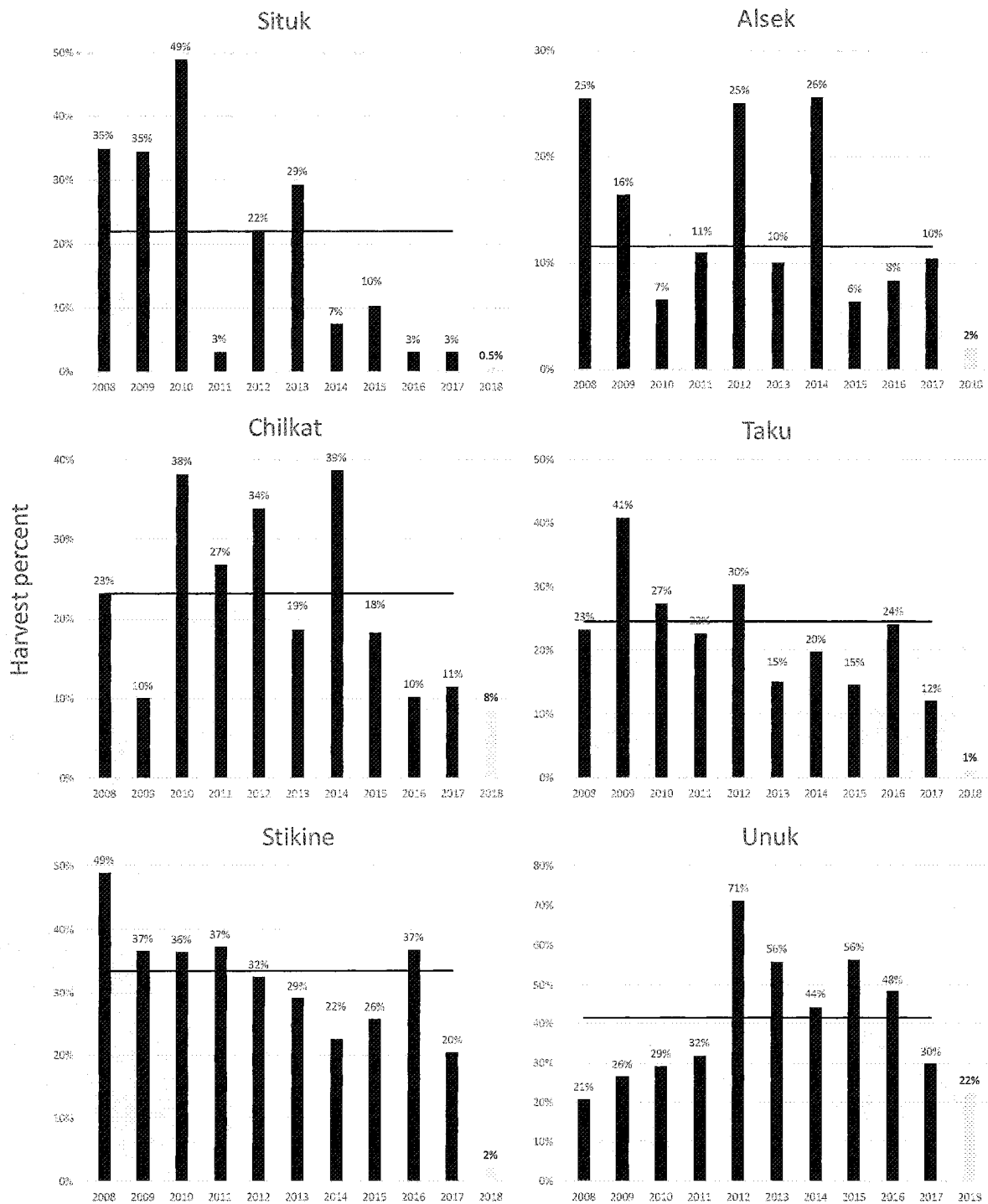


Figure 15. Harvest percents for select stocks of Chinook salmon from Southeast Alaska and the Transboundary Rivers, 2008 to 2017 with preliminary 2018 estimates shown as a light bar. The average for the recent 10-year period is shown as a solid line and does not include values from 2018.

Wong, Eva

From: Winther, Ivan
Sent: March-04-19 3:05 PM
To: Davies, Sandra; Radford, Jeffrey; Fairweather, Patrick
Subject: FW: 2019 Chinook Planning - Scenario Analysis

... below are the impacts I calculated for Lower Shuswap in the Fraser scenario builder but I left it to Jeff^2 to navigate the spreadsheets.
iw

From: Winther, Ivan
Sent: 2019–February-26 11:53 AM
To: Grout, Jeff <Jeff.Grout@dfo-mpo.gc.ca>
Cc: Radford, Jeffrey <Jeffrey.Radford@dfo-mpo.gc.ca>; Fairweather, Patrick <Patrick.Fairweather@dfo-mpo.gc.ca>; Davies, Sandra <Sandra.Davies@dfo-mpo.gc.ca>
Subject: RE: 2019 Chinook Planning - Scenario Analysis

That's the expected reduction:

June 21: No reduction.

July 6: 50% reduction, fishery impact is reduced to 50% of a normal June 21st opening fishery.

July 10: 62% reduction, fishery impact is reduced to 38% of a normal June 21st opening fishery.

July 17: 71% reduction, fishery impact is reduced to 29% of a normal June 21st opening fishery.

August 1: near 100% reduction, fishery impact is reduced to near zero.

The longer the delay, the smaller the catch of Lower Shuswap Chinook.

From: Grout, Jeff <Jeff.Grout@dfo-mpo.gc.ca>
Sent: 2019–February-26 11:45 AM
To: Winther, Ivan <Ivan.Winther@dfo-mpo.gc.ca>; Fairweather, Patrick <Patrick.Fairweather@dfo-mpo.gc.ca>; Radford, Jeffrey <Jeffrey.Radford@dfo-mpo.gc.ca>; Davies, Sandra <Sandra.Davies@dfo-mpo.gc.ca>
Subject: RE: 2019 Chinook Planning - Scenario Analysis

Thanks for this Ivan. I follow your logic but just wanted to confirm your conventions. 100% is a full impact fishery (e.g. open June 21).

Just wanted to confirm whether you were reporting the % reduction or the % of the impact remaining for the 2 scenarios?

e.g. Scenario A would have a 71% impact (29% reduction) or do you mean the reverse impact on L. Shu is 29% and (71% reduction) with a July 17th opening.

Jeff

From: Winther, Ivan <Ivan.Winther@dfo-mpo.gc.ca>
Sent: 2019–February-26 11:34 AM
To: Grout, Jeff <Jeff.Grout@dfo-mpo.gc.ca>; Fairweather, Patrick <Patrick.Fairweather@dfo-mpo.gc.ca>; Radford, Jeffrey <Jeffrey.Radford@dfo-mpo.gc.ca>; Davies, Sandra <Sandra.Davies@dfo-mpo.gc.ca>
Subject: RE: 2019 Chinook Planning - Scenario Analysis

Hi Jeff,

I will leave Pat and Jeff Radford to navigate your spreadsheet but here are a few GSI-based predictions for Northern BC Troll fishery impacts on Lower Shuswap. I did similar analyses for Nass and Skeena in 2018 to predict outcomes of various management actions based on run timing past Area 1. The only stock that had enough GSI data to make the prediction was Lower Shuswap: the Nicola doesn't appear in the GSI timing data and the Harrison is so sparse that this type of analysis isn't possible (only 5 fish in 10 years). I have used a June 21st opening of the NBC Troll fishery as 100% or full impact as this has been the normal timing of the troll opening in recent years.

Scenario A: Open NBC Troll on July 17th
Expected reduction on L.Shu = 71%

Scenario B: Open NBC Troll on July 10th
Expected reduction on L.Shu = 62%

The Lower Shuswap fish disappear from the data around August 1 so this method would predict 0 catch of Lower Shuswap Chinook thereafter. Let me know if you want the GSI-based calculation for any other dates.

I haven't done any work on the cwt data as you have access to a cast of thousands in the Fraser Area to massage that info.

Regards,
Ivan

Ivan Winther
Fisheries Biologist, Stock Assessment
Fisheries & Oceans Canada
417 – 2nd Ave. West, Prince Rupert
BC, Canada, V8J-1G8
Ivan.Winther@dfo-mpo.gc.ca
250-627-3459

From: Grout, Jeff <Jeff.Grout@dfo-mpo.gc.ca>

Sent: 2019–February-26 11:15 AM

To: Luedke, Wilf <Wilf.Luedke@dfo-mpo.gc.ca>; Pechter, Beth <Beth.Pechter@dfo-mpo.gc.ca>; Hornby, Greg <Greg.Hornby@dfo-mpo.gc.ca>; Beaith, Brad <Brad.Beaith@dfo-mpo.gc.ca>; Rusch, Bryan <Bryan.Rusch@dfo-mpo.gc.ca>; Fairweather, Patrick <Patrick.Fairweather@dfo-mpo.gc.ca>; Radford, Jeffrey <Jeffrey.Radford@dfo-mpo.gc.ca>; Winther, Ivan <Ivan.Winther@dfo-mpo.gc.ca>; Allan, Dean <Dean.Allan@dfo-mpo.gc.ca>; Nener, Jennifer <Jennifer.Nener@dfo-mpo.gc.ca>; Scroggie, Jamie <Jamie.Scroggie@dfo-mpo.gc.ca>; Brown, Gayle <Gayle.Brown@dfo-mpo.gc.ca>; Parken, Chuck <Chuck.Parken@dfo-mpo.gc.ca>

Cc: Maxwell, Marla <Marla.Maxwell@dfo-mpo.gc.ca>; Dobko, Ashley <ashley.dobko@dfo-mpo.gc.ca>

Subject: RE: 2019 Chinook Planning - Scenario Analysis

Hi everyone: I've updated the Scenario Analyzer worksheet to include tabs for Scenario A and B. Please use this version of the file: [W:\2-Chinook\1-FRASER CHINOOK\2019 Planning\PlanningData\Scenario Builder - CWT Detailed Mortality Distribution Tables with potential Fraser chinook mortality reductions -draft-Feb 26, 2019.xlsx](#)

Please remember to close the file when you are finished with it.

Thanks, Jeff

From: Grout, Jeff

Sent: 2019–February-25 4:36 PM

To: Luedke, Wilf <Wilf.Luedke@dfo-mpo.gc.ca>; Pechter, Beth <Beth.Pechter@dfo-mpo.gc.ca>; Hornby, Greg <Greg.Hornby@dfo-mpo.gc.ca>; Beaith, Brad <Brad.Beaith@dfo-mpo.gc.ca>; Rusch, Bryan <Bryan.Rusch@dfo-mpo.gc.ca>; Fairweather, Patrick <Patrick.Fairweather@dfo-mpo.gc.ca>; Radford, Jeffrey <Jeffrey.Radford@dfo-mpo.gc.ca>; Winther, Ivan <Ivan.Winther@dfo-mpo.gc.ca>; Allan, Dean <Dean.Allan@dfo-mpo.gc.ca>; Nener, Jennifer

<Jennifer.Nener@dfo-mpo.gc.ca>; Scroggie, Jamie <Jamie.Scroggie@dfo-mpo.gc.ca>; Brown, Gayle <Gayle.Brown@dfo-mpo.gc.ca>; Parken, Chuck <Chuck.Parken@dfo-mpo.gc.ca>

Cc: Maxwell, Marla <Marla.Maxwell@dfo-mpo.gc.ca>; Dobko, Ashley <ashley.dobko@dfo-mpo.gc.ca>

Subject: 2019 Chinook Planning - Scenario Analysis

Hi all,

This message is a follow-up to our conference call this morning regarding 2019 chinook planning. Given you all weren't on the phone, this email is to set out responsibilities for completing the scenario analysis tool for fisheries in your areas.

Responsible folks are:

South Coast Recreational – Wilf, with support from Beth, Greg, Brad

South Coast WCVI – Bryan R. (and Ryan O'Connell?)

NBC Troll – Pat Fairweather, Jeffrey Radford, Ivan Winther

Fraser Interior Area (all Fraser fisheries) – Dean Allan, Brittany Jenewein, Jamie Scroggie

Task:

1. Evaluate the expected reduction in fishery mortalities for Fraser River chinook indicator populations for fisheries in your area. To do this, please update the file: W:\2-Chinook\1-FRASER CHINOOK\2019 Planning\PlanningData\Scenario Builder - CWT Detailed Mortality Distribution Tables with potential Fraser chinook mortality reductions -draft-Feb 13, 2019.xlsx
 - a. There is a tab 'Scenario Analyzer (2013-16)' that can be used to assess Scenarios A and B and any alternative scenarios we receive.
 - b. I will create a separate worksheet created for 'Scenario A' and 'Scenario B' where you will need to update the fishery scalars in section E22:Z24 of the worksheet. For each of your fisheries, you will need to enter a value of 0% (i.e. no change – fishery mortality stays as 2013-16 average) or 100% (i.e. fishery eliminated and 2013-16 average impact is scaled to zero). For example, if you were going to reduce the NBC Troll by 90% for Nicola chinook, then enter 90% in cell G22.
 - c. Document the rationale for your reduction using comments. (e.g. for Cell G22 you might put "Northern troll fishery impact expected to only expose 10% of Spring 42 based on run timing")
 - d. There is a tab '2018 measures' that outlines our projections for last year's fishery along with comments. Keep in mind these were 25-35% reduction objectives for 2018.

Some considerations on approaches to determine reductions:

- There is a separate file on the drive that provides a breakdown of the annual fishery mortality for a given fishery into monthly strata. Gayle is still updating this to include all fisheries in the total mortality table and she expects it to be ready shortly. File is: W:\2-Chinook\1-FRASER CHINOOK\2019 Planning\PlanningData\CYERs CDNfisheries 2009-17 for2019planning.xlsx
- For scenario A, where we have chinook non-retention or closures you could consider cumulative proportion of run protected based on run timing at Fraser River (backed out to your area as appropriate). The cumulative run timing information for the Fraser MU's is here: W:\2-Chinook\1-FRASER CHINOOK\2019 Planning\Fraser Chinook Aggregate migration timing figure - Albion.xls
- For Scenario B, there is lots of background information on lengths, daily limits, mark rates, etc.. on the drive as well: W:\2-Chinook\1-FRASER CHINOOK\2019 Planning\PlanningData

Timelines:

1. I'd like to have this completed for our call on **March 5** so that we can share the results with the IHPC and others on March 7.
2. If you are unclear about how to proceed, give me a call and we can set up a time to discuss.
3. Please send me an email when you've completed the work for your fisheries so I can monitor progress.

Thanks, Jeff

Jeff Grout
Regional Resource Manager – Salmon
Fisheries and Oceans Canada

Jeff.Grout@dfo-mpo.gc.ca

W: (604) 666-0497

C: [REDACTED]

Wong, Eva

From: Katinic, Peter
Sent: April-05-19 10:10 AM
To: Grout, Jeff
Cc: Davies, Sandra; Radford, Jeffrey; Fairweather, Patrick
Subject: Re: Area F Troll Scenarios
Attachments: RE: 2019 PreSeason Abundance Indices (AI) for AABM fisheries

Hi Jeff

Just following up on our conversation yesterday. Not sure if this info will help as I believe you needed it yesterday for your brief.

RE: Some metrics for Area F Scenario delaying start until Aug. 20th.

The post season AI from last year (0.89) is similar to the preseason AI (0.96) so I think using last year as a rough estimate of what it would look like for this year may be useful.

In 2018 Area F Chinook opened July 10 – Aug. 6 then Aug. 20 to Sept 31

For July 10 – Aug 6

catch = 46,094 Chinook

Fraser Proportions were:

SOTH = 20 – 30% = 11,732 chinook in catch

Fraser Other = 1 – 2.5 % = 896 chinook in catch

For July 17 – Aug 6

Catch = 21,934 Chinook (Note If the fishery opened on July 17 the catch would be slightly higher as catches are typically higher in first week of fishery.)

Fraser Proportions were:

SOTH = 27 – 30% = 6,542 chinook in catch

Fraser Other = 1 – 1.8 % = 337 chinook in catch

For Aug. 20 – September 31

Catch = 24,182 Chinook

Fraser Proportions were:

SOTH = 4 – 8 % = 1,471 chinook in catch

Fraser Other = 0.7 – 1.7 = 337 chinook in catch (These are mainly lower Fraser)

For 2019

Delaying Chinook retention to Aug. 20, generally Fraser fish have moved through and out of the area.

Troll would expect troll catch to be in the range of 20K to 30K (30K would be very optimistic)

Current preseason TAC for Area F is 88,400 Chinook

Under this scenario Area F would achieve approximatley (25K / 88K) = 28% of their TAC

Total AABM catch would be about 33,600 (Area 1 & 2 Rec.) + 25,000 (Area F) = 58,600 Chinook

This would represent (58K / 124K) = 47% of NBC AABM TAC

NOTE: this assumes no restrictions for Area 1 and 2 Rec so this estimate is optimistic.

Peter Katinic, M.Sc.
A/ North Coast Salmon StAD Section Head
Fisheries and Oceans Canada
Queen Charlotte, B.C.
Ph: 250-559-8330

Wong, Eva

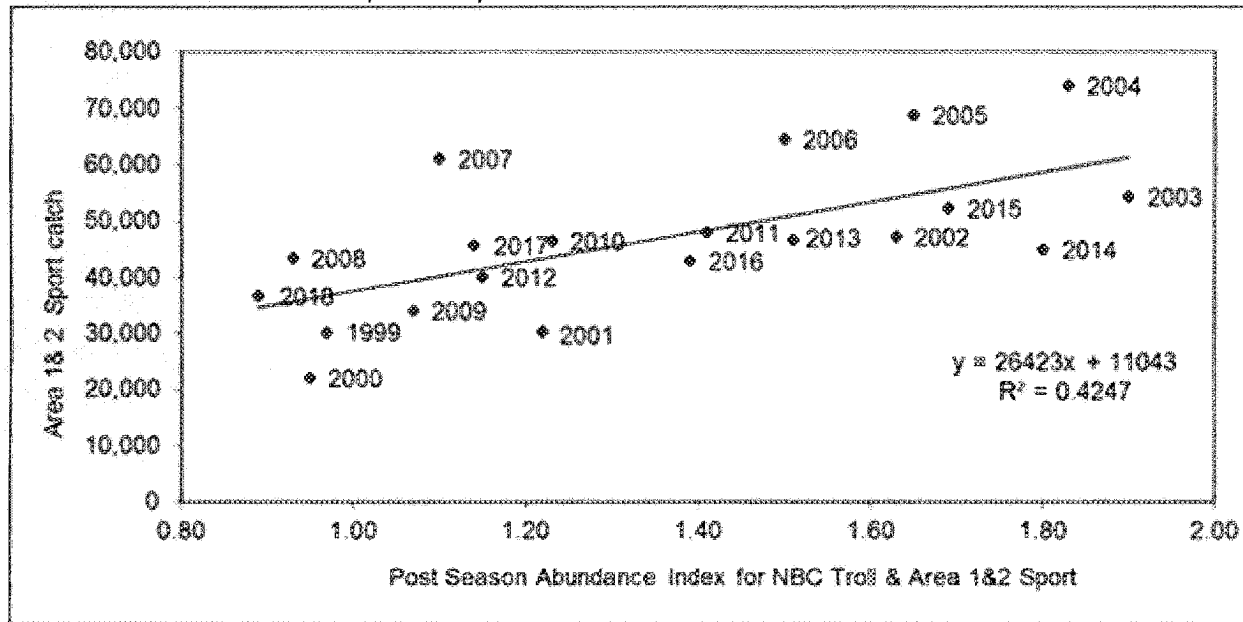
From: Katinic, Peter
Sent: April-02-19 9:29 AM
To: Chow, Darren
Cc: Winther, Ivan; Davies, Sandra; Fairweather, Patrick; Radford, Jeffrey; Ottley, Jessica; Masson, Colin
Subject: RE: 2019 PreSeason Abundance Indices (AI) for AABM fisheries
Attachments: Memo to PSC_2019 Chinook Model Calibration_CTC_Final.docx

Hi Darren

Just confirming the AABM TAC for the 2019 season for your discussions with the SFAC

The 2019 preseason AABM TAC for NBC is 124,800 Chinook as described in the Memo from PSC attached. This amount includes Chinook for Area F Troll and Area 1 & 2 Sport catch combined.

Ivan Winther has provided the relationship of Post Season AI to Area 1 & 2 Rec catch which has been used to predict the Area 1 & 2 Rec catch over the past few years.



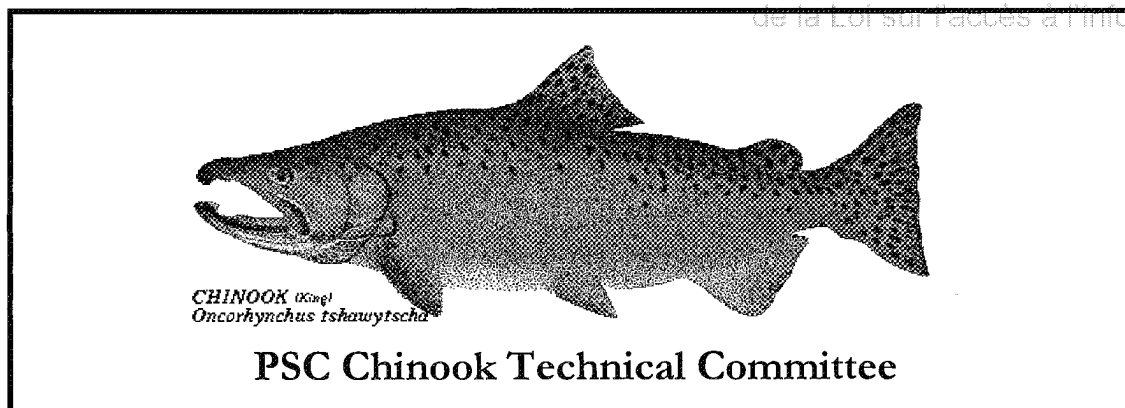
Based on the above, we will be approaching the 2019 season with the following preseason allocations for the AABM fisheries:

Predicted catch for Area 1 & 2 = 36,400 Chinook

Area F Troll TAC = 88,400 Chinook.

Note the Department has yet to provide a decision on management actions, specific for Area F, to reduce exploitation of Fraser Chinook.

Peter Katinic, M.Sc.
Haida Gwaii Resource Manager
Fisheries and Oceans Canada
Queen Charlotte, B.C.
Ph: 250-559-8330



TO: Pacific Salmon Commission

FROM: John Carlile, Gayle Brown and Jon Carey

DATE: April 1, 2019

SUBJECT: AABM Fisheries Preseason Abundance Indices for 2019 and Post-Season Abundance Indices for 2018

The CTC has completed and is recommending to the Commission the results of calibration CLB1905 of the PSC Chinook Model for 2019. The calibration provides the Abundance Indices (AIs) required for determining the 2018 post-season allowable catches (ACs) for the three Aggregate Abundance Based Management (AABM) fisheries: Southeast Alaska all gear (SEAK), Northern British Columbia troll and Queen Charlotte Island sport (NBC), and West Coast Vancouver Island troll and outside sport (WCVI). The calibration also provides the 2019 preseason AIs for determining the ACs for the NBC and WCVI fisheries.

Please note the following:

1. The preseason AC for the SEAK fishery was determined from Table 2 in Chapter 3 of the 2019 Agreement based on the SEAK CPUE from the early winter power troll fishery in district 113.
2. The preseason ACs for the NBC and WCVI fisheries were determined from Table 1 in Chapter 3 of the 2019 Agreement.
3. The 2018 post-season ACs for all three fisheries were determined using Table 1 in Chapter 3 of the 2009 Agreement.

The 2019 preseason SEAK CPUE, the AIs and the associated ACs for each of the AABM fisheries are shown in Table 1. The 2018 post-season AIs and associated ACs along with observed catches, preseason AIs and associated ACs for each of the AABM fisheries are shown in Table 2.

Table 1. Preseason CPUE and AIs and associated ACs for the 2019 AABM Fisheries.

	SEAK	NBC	WCVI
CPUE/AI	CPUE ¹	AI	AI
Index	3.38	0.96	0.61
Allowable Catch	140,323	124,800	79,900

¹ The CLB1905 2019 preseason AI for SEAK is 1.07 which would yield a non-tiered AC of 133,600 if the PSC Chinook Model was being used.

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est public-refusé en vertu de l'article**

68(a)

**of the Access to Information Act
de la Loi sur l'accès à l'information**

Wong, Eva

From: Katinic, Peter
Sent: April-08-19 9:16 AM
To: Grout, Jeff
Subject: RE: Area F Troll Scenarios

Hi Jeff

Just a note that I realized late on Friday that I excluded the LWFR Summer and Fall components in the summary below. Doesn't change the picture much. If you include them it adds 0.3 % or so to the "Fraser other" proportions and 40 fish for the 2018 season.

Peter Katinic, M.Sc.
A/ North Coast Salmon StAD Section Head
Fisheries and Oceans Canada
Queen Charlotte, B.C.
Ph: 250-559-8330

From: Grout, Jeff
Sent: April-08-19 7:40 AM
To: Katinic, Peter
Cc: Davies, Sandra; Radford, Jeffrey; Fairweather, Patrick
Subject: Re: Area F Troll Scenarios

Thanks Peter, this is helpful and still time to make use of the info. Much appreciated. Jeff

Sent from my BlackBerry 10 smartphone on the Rogers network.

From: Katinic, Peter
Sent: Friday, April 5, 2019 10:10 AM
To: Grout, Jeff
Cc: Davies, Sandra; Radford, Jeffrey; Fairweather, Patrick
Subject: Re: Area F Troll Scenarios

Hi Jeff

Just following up on our conversation yesterday. Not sure if this info will help as I believe you needed it yesterday for your brief.

RE: Some metrics for Area F Scenario delaying start until Aug. 20th.

The post season AI from last year (0.89) is similar to the preseason AI (0.96) so I think using last year as a rough estimate of what it would look like for this year may be useful.

In 2018 Area F Chinook opened July 10 – Aug. 6 then Aug. 20 to Sept 31

For July 10 – Aug 6
catch = 46,094 Chinook
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SOTH = 20 – 30% = 11,732 chinook in catch

Fraser Other = $1 - 2.5\% = 896$ chinook in catch

For July 17 – Aug 6

Catch = 21,934 Chinook (Note If the fishery opened on July 17 the catch would be slightly higher as catches are typically higher in first week of fishery.)

Fraser Proportions were:

SOTH = $27 - 30\% = 6,542$ chinook in catch

Fraser Other = $1 - 1.8\% = 337$ chinook in catch

For Aug. 20 – September 31

Catch = 24,182 Chinook

Fraser Proportions were:

SOTH = $4 - 8\% = 1,471$ chinook in catch

Fraser Other = $0.7 - 1.7 = 337$ chinook in catch (These are mainly lower Fraser)

For 2019

Delaying Chinook retention to Aug. 20, generally Fraser fish have moved through and out of the area.

Troll would expect troll catch to be in the range of 20K to 30K (30K would be very optimistic)

Current preseason TAC for Area F is 88,400 Chinook

Under this scenario Area F would achieve approximately $(25K / 88K) = 28\%$ of their TAC

Total AABM catch would be about 33,600 (Area 1 & 2 Rec.) + 25,000 (Area F) = 58,600 Chinook

This would represent $(58K / 124K) = 47\%$ of NBC AABM TAC

NOTE: this assumes no restrictions for Area 1 and 2 Rec so this estimate is optimistic.

Peter Katinic, M.Sc.

A/ North Coast Salmon StAD Section Head

Fisheries and Oceans Canada

Queen Charlotte, B.C.

Ph: 250-559-8330

Wong, Eva

From: Katinic, Peter
Sent: April-09-19 2:51 PM
To: 'advisors' (); 'lpaulson@citytel.net';
 'pacpro@telus.net'
Cc: Radford, Jeffrey; Davies, Sandra; Fairweather, Patrick
Subject: Area F troll info for AFHC

Hello Area F Advisors

Some additional information following our call today that you might find useful for any responses to IFMP.
 I tried to put some information together to help support any description of foregone catch and opportunity, impacts etc in delays to the fishery.
 Please take these with a large grain of salt as this is based on a few assumptions such as fishing being similar to last year etc.
 This was mainly to put the general scale of reductions in context with tradeoffs etc.

The post season AI from last year (0.89) is similar to the preseason AI (0.96) so I think using last year as a rough estimate of what it would look like for this year may be useful.

Prior to 2018

Area F Troll Chinook opened June 21st.

The median date of Fraser SOTH (4-1s) past Langara is July 7th based on DNA

Fraser Spring components are generally past area F by early July. (Unable to provide run timing details due to very low proportions in fishery)

In 2018 Area F Chinook opened July 10 – Aug. 6 then Aug. 20 to Sept 31

For July 10 – Aug 6

catch = 46,094 Chinook

Fraser Proportions were:

SOTH = 20 – 30% = 11,732 chinook in catch

Fraser Other = 1 – 2.5 % = 936 chinook in catch

Delayed opening to July 10 in 2018 was a significant reduction on SOTH by Area F as only ½ the run (vs 2/3 of the run) was available to the fishery based on run timing.)

The total reductions on Fraser Chinook based on 2018 management actions have yet to be completed and are currently not available.

For July 17 – Aug 6

Catch = 21,934 Chinook (Note If the fishery opened on July 17 the catch would be slightly higher as catches are typically higher in first week of fishery.)

Fraser Proportions were:

SOTH = 27 – 30% = 6,542 chinook in catch

Fraser Other = 1 – 1.8 % = 337 chinook in catch

For Aug. 20 – September 31

Catch = 24,182 Chinook

Fraser Proportions were:

SOTH = 4 – 8 % = 1,471 chinook in catch

Fraser Other = 1.3 – 1.7 = 337 chinook in catch (These are mainly lower Fraser)

For 2019

The Total AABM TAC = 124,800 Chinook based on the preseason AI of 0.89

Current preseason TAC for Area F is 88,400 Chinook

The AI for 2019 is similar to the 2018 post season so expectation is that the chinook fishing may be similar in terms of absolute abundance.

Assuming similar fishing to last year one may expect the following.

Scenario B

Delaying Chinook opening to July 10

Expectation is similar catch to last year. 75-80K

Area F expected to achieve approximately 85% - 95% of available TAC

Scenario A

Delaying Chinook opening to July 17

Expected catch less than last year. This is difficult to quantify due to buildup of fish at the start of the fishery.

Area F expected to harvest 45K to 65K fish representing 50% - 75%

Scenario Other

Delay Chinook opening to end of August 20?

Generally Fraser fish have moved through and out of the area.

Would expect troll catch to be in the range of 20K to 30K (30K would be very optimistic)

Under this scenario Area F would achieve approximately (25K / 88K) = 28% of troll TAC

Total AABM catch would be about 33,600 (Area 1 & 2 Rec.) + 25,000 (Area F) = 58,600 Chinook

This would represent (58K / 124K) = 47% of NBC AABM TAC

NOTE: this assumes no restrictions for Area 1 and 2 Rec so this estimate is optimistic and actual catches are likely be smaller than those presented here.

Here is some of the detailed sample data from 2018

Proportions of Fraser Chinook in 2018 samples

	July 10 to 14	July 10 to 16	July 16 to 27	July 24 to Aug 6	Aug 20 to 25	Aug 26 to 31	Aug 31 to Sep 30
	2018	2018	2018	2018	2018	2018	2018
	349(4)	336(0)	338(0)	312(1)	374(0)	70(0)	152(2)
Region1	Estimate SD	Estimate SD	Estimate SD	Estimate SD	Estimate SD	Estimate SD	Estimate SD
UPFR	0.0 (0.1)	0.1 (0.2)	0.0 (0.1)	0.0 (0.1)	0.0 (0.1)	0.0 (0.4)	0.7 (0.7)
MUFR	1.2 (0.6)	1.4 (0.7)	0.6 (0.5)	0.8 (0.7)	0.0 (0.1)	0.0 (0.4)	0.0 (0.2)
LWFR-F	0.0 (0.0)	0.3 (0.3)	0.0 (0.0)	0.6 (0.5)	1.7 (0.7)	1.5 (1.4)	0.7 (0.7)
NOTH	1.3 (0.7)	0.5 (0.5)	0.4 (0.4)	0.4 (0.4)	0.0 (0.0)	0.0 (0.2)	0.0 (0.2)
SOTH	20.6 (2.2)	24.1 (2.4)	26.8 (2.4)	30.1 (2.7)	8.4 (1.4)	4.1 (2.4)	4.2 (1.7)
LWTH	0.0 (0.0)	0.0 (0.1)	0.0 (0.1)	0.0 (0.1)	0.0 (0.1)	0.0 (0.3)	0.0 (0.1)
LWFR-Sp	0.0 (0.0)	0.0 (0.0)	0.0 (0.0)	0.0 (0.0)	0.0 (0.0)	0.0 (0.1)	0.0 (0.1)
LWFR-Su	0.0 (0.0)	0.0 (0.0)	0.0 (0.0)	0.3 (0.3)	0.0 (0.0)	0.0 (0.1)	0.0 (0.0)

Fraser	2.5	2.3	1.0	2.1	1.7	1.5	1.3
Other							
Total							

of Fraser Chinook in 2018 catch estimated from DNA proportions above.

	July 10 to 14		July 10 to 16		July 16 to 27		July 24 to Aug 6		Aug 20 to 25		Aug 26 to 31		Aug 31 to Sep 30	
Catch during period	11,468	11,468	11,754	11,754	10,257	10,257	12,615	12,615	10,894	10,894	6,073	6,073	7,215	7,215

Region	Estimate SD		Estimate SD		Estimate SD		Estimate SD		Estimate SD		Estimate SD		Estimate SD	
UPFR	1	(13)	7	(25)	0	(8)	0	(11)	0	(8)	0	(25)	47	(49)
MUFR	142	(72)	163	(85)	63	(51)	103	(90)	0	(9)	3	(26)	0	(16)
LWFR-F	0	(6)	36	(36)	0	(5)	73	(62)	188	(76)	90	(88)	48	(49)
NOTH	149	(76)	61	(57)	44	(41)	53	(55)	0	(5)	0	(14)	1	(11)
SOTH	2360	(249)	2830	(279)	2745	(250)	3796	(337)	919	(157)	249	(147)	303	(121)
LWTH	0	(6)	0	(6)	0	(6)	0	(8)	0	(6)	0	(19)	0	(7)
LWFR-Sp	0	(5)	0	(5)	0	(4)	0	(6)	0	(4)	0	(8)	0	(9)
LWFR-Su	0	(2)	0	(2)	0	(2)	40	(41)	0	(2)	0	(7)	0	(2)

Fraser	292	267	108	270	188	93	96
Other							
Total							

The detailed list of DNA samples for previous years was included in the meeting invite that Pat sent out earlier. That is the file we showed today on the Webex that had all the historical information.

Let me know if there is any other particular information you folks require to inform your feedback.

Regards.

Peter Katinic, M.Sc.
Fisheries and Oceans Canada
Queen Charlotte, B.C.
Ph: 250-559-8330

Wong, Eva

From: Parken, Chuck
Sent: April-10-19 4:19 PM
To: Grout, Jeff; Maxwell, Marla
Cc: Brown, Gayle
Subject: CWT total mortality summaries for Fraser stocks through 2018
Attachments: MortalityDistributionTables_Fraser_ERA2019_finescale2c.xlsx

Hi Jeff, attached is a summary file that Gayle created that has the total mortality values summarized for Nicola, Lower Shuswap, Harrison and Chilliwack through 2018. The fisheries have been aggregated but the Strait of Georgia and Juan de Fuca sport fisheries have been separated. Currently there is a summary table which compares the 2018 CWT ER to the 2013-2017 average. You can modify the reference period by selecting different years in one of the pivot tables on the summary table worksheet. I am at the office late today if you have any questions. Chuck

Note that the reference period (currently 2013-2017) can be changed by selecting different years in the pivot table in Q1											
	Calendar Year ER - 2018			Calendar Year ER - 2013-17 average			Relative Change for 2018		MortType	TM	
	Spring 4.2 (Nicola)	Summer 4.1 (L Shuswap)	Fall 4.1 (Harrison)	Spring 4.2 (Nicola)	Summer 4.1 (L Shuswap)	Fall 4.1 (Harrison)	Spring 4.2 (Nicola)	Summer 4.1 (L Shuswap)	Year	2018	
Fishery Group									Sum of Prop.	Stock	
									Fishery	NIC	HAR
NBC-WCVI AABM Troll	1.0%	4.3%	0.8%	1.8%	8.5%	2.1%	-45%	-49%	NBC-WCVI_T	1.0%	4.3%
NBC-WCVI AABM sport	0.3%	5.2%	2.9%	0.0%	4.2%	2.7%	743%	25%	NBC-WCVI_S	0.3%	5.2%
ISBM-Canada sport (inside)	0.0%	0.1%	0.0%	0.0%	0.5%	0.2%	-100%	-79%	ISBM-CA_S(inside)	0.0%	0.1%
ISBM-Canada Troll, Net	0.0%	0.0%	0.0%	0.0%	0.2%	0.0%	-100%	-100%	ISBM-CA_T-N	0.0%	0.0%
ISBM-Canada Sport (Juan de Fuca)	3.3%	4.3%	0.5%	3.3%	2.8%	1.1%	-1%	57%	ISBM-CA_S(IdF)	3.3%	4.3%
ISBM-Canada Sport (Strait of Georgia)	1.7%	5.2%	12.7%	1.2%	5.2%	12.8%	43%	0%	ISBM-CA_S(SOG)	1.7%	5.2%
Fraser Net (marine)	1.2%	1.4%	0.8%	0.8%	1.0%	1.0%	51%	44%	Fraser_N	1.2%	1.4%
Fraser Net (freshwater)	17.1%	4.6%	2.9%	7.7%	3.8%	1.5%	122%	22%	ISBM-CA_N(freshwater)	17.1%	4.6%
Fraser Sport (freshwater)	0.0%	2.8%	0.0%	0.2%	1.9%	0.2%	-100%	44%	ISBM-CA_S(freshwater)	0.0%	2.8%
Escapement	73.8%	64.7%	68.2%	82.7%	58.1%	69.8%	-11%	11%	Escapement	73.8%	64.7%
Total or average in Canada	24.6%	27.9%	20.8%	15.0%	28.0%	21.6%	64%	0%	Total for 2018	24.6%	27.9%

Mortality Year	TM (Multiple Items)	average for 2013-17	
Average of Prop_Mort Fishery	Stock NIC	SHU HAR	
NBC-WCVI_T	1.8%	8.5%	2.1%
NBC-WCVI_S	0.0%	4.2%	2.7%
ISBM-CA_S(inside)	0.0%	0.5%	0.2%
ISBM-CA_T-N	0.0%	0.2%	0.0%
ISBM-CA_S(JdF)	3.3%	2.8%	1.1%
ISBM-CA_S(SOG)	1.2%	5.2%	12.8%
Fraser_N	0.8%	1.0%	1.0%
ISBM-CA_N(freshwater)	7.7%	3.8%	1.5%
ISBM-CA_S(freshwater)	0.2%	1.9%	0.2%
Escapement	82.7%	58.1%	69.8%
Total for 2013-17 average (Fishery only in total)	15.0%	28.0%	21.6%

MortType	Stock	Year	Fishery	FisheryNum	FisheryType	FisheryCou	Prop_Mort
LC	CHI	2009	SEAK_T-N-S	1	AABM	US	0
LC	CHI	2009	NBC-WCVI_T	2	AABM	CA	0.015011
LC	CHI	2009	NBC-WCVI_S	3	AABM	CA	0.020014
LC	CHI	2009	ISBM-CA_T-N	4	ISBM	CA	0
LC	CHI	2009	ISBM-CA_S(inside)	5	ISBM	CA	0.007505
LC	CHI	2009	Fraser_N	6	ISBM	CA	0
LC	CHI	2009	ISBM-CA_S(SOG)	7	ISBM	CA	0.012866
LC	CHI	2009	ISBM-CA_S(JdF)	8	ISBM	CA	0.007505
LC	CHI	2009	ISBM-SUS_T-N-S	9	ISBM	US	0.027877
LC	CHI	2009	ISBM-CA_N(freshwater)	10	ISBM	CA	0.035382
LC	CHI	2009	ISBM-CA_S(freshwater)	11	ISBM	CA	0.139385
LC	CHI	2009	Esc_Stray	12	Esc_Stray	Either	0.013581
LC	CHI	2009	Escapement	13	Esc	CA	0.720872
LC	CHI	2010	SEAK_T-N-S	1	AABM	US	0.001635
LC	CHI	2010	NBC-WCVI_T	2	AABM	CA	0.025989
LC	CHI	2010	NBC-WCVI_S	3	AABM	CA	0.019941
LC	CHI	2010	ISBM-CA_T-N	4	ISBM	CA	0
LC	CHI	2010	ISBM-CA_S(inside)	5	ISBM	CA	0.001798
LC	CHI	2010	Fraser_N	6	ISBM	CA	0.000327
LC	CHI	2010	ISBM-CA_S(SOG)	7	ISBM	CA	0.029912
LC	CHI	2010	ISBM-CA_S(JdF)	8	ISBM	CA	0.014874
LC	CHI	2010	ISBM-SUS_T-N-S	9	ISBM	US	0.055574
LC	CHI	2010	ISBM-CA_N(freshwater)	10	ISBM	CA	0.015038
LC	CHI	2010	ISBM-CA_S(freshwater)	11	ISBM	CA	0.06015
LC	CHI	2010	Esc_Stray	12	Esc_Stray	Either	0.006211
LC	CHI	2010	Escapement	13	Esc	CA	0.768552
LC	CHI	2011	SEAK_T-N-S	1	AABM	US	0
LC	CHI	2011	NBC-WCVI_T	2	AABM	CA	0.035922
LC	CHI	2011	NBC-WCVI_S	3	AABM	CA	0.020778
LC	CHI	2011	ISBM-CA_T-N	4	ISBM	CA	0.000352
LC	CHI	2011	ISBM-CA_S(inside)	5	ISBM	CA	0.005811
LC	CHI	2011	Fraser_N	6	ISBM	CA	0.006691
LC	CHI	2011	ISBM-CA_S(SOG)	7	ISBM	CA	0.02025
LC	CHI	2011	ISBM-CA_S(JdF)	8	ISBM	CA	0.005107
LC	CHI	2011	ISBM-SUS_T-N-S	9	ISBM	US	0.042085
LC	CHI	2011	ISBM-CA_N(freshwater)	10	ISBM	CA	0.007043
LC	CHI	2011	ISBM-CA_S(freshwater)	11	ISBM	CA	0.029231
LC	CHI	2011	Esc_Stray	12	Esc_Stray	Either	0
LC	CHI	2011	Escapement	13	Esc	CA	0.82673
LC	CHI	2012	SEAK_T-N-S	1	AABM	US	0
LC	CHI	2012	NBC-WCVI_T	2	AABM	CA	0.010116
LC	CHI	2012	NBC-WCVI_S	3	AABM	CA	0.012387
LC	CHI	2012	ISBM-CA_T-N	4	ISBM	CA	0
LC	CHI	2012	ISBM-CA_S(inside)	5	ISBM	CA	0.001652

MortType	Stock	Year	Fishery	FisheryNun	FisheryTyp	FisheryCou	Prop_Mort
LC	CHI	2012	Fraser_N	6	ISBM	CA	0.002064
LC	CHI	2012	ISBM-CA_S(SOG)	7	ISBM	CA	0.048927
LC	CHI	2012	ISBM-CA_S(JdF)	8	ISBM	CA	0.004129
LC	CHI	2012	ISBM-SUS_T-N-S	9	ISBM	US	0.092073
LC	CHI	2012	ISBM-CA_N(freshwater)	10	ISBM	CA	0.003097
LC	CHI	2012	ISBM-CA_S(freshwater)	11	ISBM	CA	0.058216
LC	CHI	2012	Esc_Stray	12	Esc_Stray	Either	0
LC	CHI	2012	Escapement	13	Esc	CA	0.767341
LC	CHI	2013	SEAK_T-N-S	1	AABM	US	0.000332
LC	CHI	2013	NBC-WCVI_T	2	AABM	CA	0.024795
LC	CHI	2013	NBC-WCVI_S	3	AABM	CA	0.0204
LC	CHI	2013	ISBM-CA_T-N	4	ISBM	CA	0.000249
LC	CHI	2013	ISBM-CA_S(inside)	5	ISBM	CA	0.001244
LC	CHI	2013	Fraser_N	6	ISBM	CA	0.00398
LC	CHI	2013	ISBM-CA_S(SOG)	7	ISBM	CA	0.059375
LC	CHI	2013	ISBM-CA_S(JdF)	8	ISBM	CA	0.013019
LC	CHI	2013	ISBM-SUS_T-N-S	9	ISBM	US	0.085413
LC	CHI	2013	ISBM-CA_N(freshwater)	10	ISBM	CA	0.014014
LC	CHI	2013	ISBM-CA_S(freshwater)	11	ISBM	CA	0.057468
LC	CHI	2013	Esc_Stray	12	Esc_Stray	Either	0.002985
LC	CHI	2013	Escapement	13	Esc	CA	0.716726
LC	CHI	2014	SEAK_T-N-S	1	AABM	US	0.001157
LC	CHI	2014	NBC-WCVI_T	2	AABM	CA	0.013969
LC	CHI	2014	NBC-WCVI_S	3	AABM	CA	0.010855
LC	CHI	2014	ISBM-CA_T-N	4	ISBM	CA	0
LC	CHI	2014	ISBM-CA_S(inside)	5	ISBM	CA	0.002313
LC	CHI	2014	Fraser_N	6	ISBM	CA	0.013168
LC	CHI	2014	ISBM-CA_S(SOG)	7	ISBM	CA	0.07821
LC	CHI	2014	ISBM-CA_S(JdF)	8	ISBM	CA	0.010944
LC	CHI	2014	ISBM-SUS_T-N-S	9	ISBM	US	0.060059
LC	CHI	2014	ISBM-CA_N(freshwater)	10	ISBM	CA	0.014325
LC	CHI	2014	ISBM-CA_S(freshwater)	11	ISBM	CA	0.037904
LC	CHI	2014	Esc_Stray	12	Esc_Stray	Either	0.003559
LC	CHI	2014	Escapement	13	Esc	CA	0.753537
LC	CHI	2015	SEAK_T-N-S	1	AABM	US	0
LC	CHI	2015	NBC-WCVI_T	2	AABM	CA	0.005105
LC	CHI	2015	NBC-WCVI_S	3	AABM	CA	0.00527
LC	CHI	2015	ISBM-CA_T-N	4	ISBM	CA	0
LC	CHI	2015	ISBM-CA_S(inside)	5	ISBM	CA	0.000494
LC	CHI	2015	Fraser_N	6	ISBM	CA	0.01054
LC	CHI	2015	ISBM-CA_S(SOG)	7	ISBM	CA	0.075922
LC	CHI	2015	ISBM-CA_S(JdF)	8	ISBM	CA	0.007246
LC	CHI	2015	ISBM-SUS_T-N-S	9	ISBM	US	0.047266
LC	CHI	2015	ISBM-CA_N(freshwater)	10	ISBM	CA	0.033762
LC	CHI	2015	ISBM-CA_S(freshwater)	11	ISBM	CA	0.056983
LC	CHI	2015	Esc_Stray	12	Esc_Stray	Either	0.010705

MortType	Stock	Year	Fishery	FisheryNum	FisheryType	FisheryCountry	Prop_Mort
LC	CHI	2015	Escapement	13	Esc	CA	0.746706
LC	CHI	2016	SEAK_T-N-S	1	AABM	US	0.000921
LC	CHI	2016	NBC-WCVI_T	2	AABM	CA	0.01074
LC	CHI	2016	NBC-WCVI_S	3	AABM	CA	0.016263
LC	CHI	2016	ISBM-CA_T-N	4	ISBM	CA	0
LC	CHI	2016	ISBM-CA_S(inside)	5	ISBM	CA	0.001381
LC	CHI	2016	Fraser_N	6	ISBM	CA	0.001688
LC	CHI	2016	ISBM-CA_S(SOG)	7	ISBM	CA	0.076557
LC	CHI	2016	ISBM-CA_S(JdF)	8	ISBM	CA	0.003529
LC	CHI	2016	ISBM-SUS_T-N-S	9	ISBM	US	0.025928
LC	CHI	2016	ISBM-CA_N(freshwater)	10	ISBM	CA	0.008285
LC	CHI	2016	ISBM-CA_S(freshwater)	11	ISBM	CA	0.067966
LC	CHI	2016	Esc_Stray	12	Esc_Stray	Either	0.003068
LC	CHI	2016	Escapement	13	Esc	CA	0.783676
LC	CHI	2017	SEAK_T-N-S	1	AABM	US	0
LC	CHI	2017	NBC-WCVI_T	2	AABM	CA	0.018846
LC	CHI	2017	NBC-WCVI_S	3	AABM	CA	0.031145
LC	CHI	2017	ISBM-CA_T-N	4	ISBM	CA	0
LC	CHI	2017	ISBM-CA_S(inside)	5	ISBM	CA	0.002976
LC	CHI	2017	Fraser_N	6	ISBM	CA	0.004364
LC	CHI	2017	ISBM-CA_S(SOG)	7	ISBM	CA	0.115453
LC	CHI	2017	ISBM-CA_S(JdF)	8	ISBM	CA	0.006546
LC	CHI	2017	ISBM-SUS_T-N-S	9	ISBM	US	0.060504
LC	CHI	2017	ISBM-CA_N(freshwater)	10	ISBM	CA	0.006348
LC	CHI	2017	ISBM-CA_S(freshwater)	11	ISBM	CA	0.089863
LC	CHI	2017	Esc_Stray	12	Esc_Stray	Either	0.010712
LC	CHI	2017	Escapement	13	Esc	CA	0.653243
LC	CHI	2018	SEAK_T-N-S	1	AABM	US	0.001563
LC	CHI	2018	NBC-WCVI_T	2	AABM	CA	0.008011
LC	CHI	2018	NBC-WCVI_S	3	AABM	CA	0.009379
LC	CHI	2018	ISBM-CA_T-N	4	ISBM	CA	0
LC	CHI	2018	ISBM-CA_S(inside)	5	ISBM	CA	0.005666
LC	CHI	2018	Fraser_N	6	ISBM	CA	0.003322
LC	CHI	2018	ISBM-CA_S(SOG)	7	ISBM	CA	0.113521
LC	CHI	2018	ISBM-CA_S(JdF)	8	ISBM	CA	0.015631
LC	CHI	2018	ISBM-SUS_T-N-S	9	ISBM	US	0.074248
LC	CHI	2018	ISBM-CA_N(freshwater)	10	ISBM	CA	0.01739
LC	CHI	2018	ISBM-CA_S(freshwater)	11	ISBM	CA	0.029504
LC	CHI	2018	Esc_Stray	12	Esc_Stray	Either	0
LC	CHI	2018	Escapement	13	Esc	CA	0.721766
TM	CHI	2009	SEAK_T-N-S	1	AABM	US	0
TM	CHI	2009	NBC-WCVI_T	2	AABM	CA	0.016745
TM	CHI	2009	NBC-WCVI_S	3	AABM	CA	0.024113
TM	CHI	2009	ISBM-CA_T-N	4	ISBM	CA	0.000335
TM	CHI	2009	ISBM-CA_S(inside)	5	ISBM	CA	0.008372
TM	CHI	2009	Fraser_N	6	ISBM	CA	0

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MortType	Stock	Year	Fishery	FisheryNum	FisheryType	FisheryCou	Prop_Mort
TM	CHI	2009	ISBM-CA_S(SOG)	7	ISBM	CA	0.029471
TM	CHI	2009	ISBM-CA_S(JdF)	8	ISBM	CA	0.008707
TM	CHI	2009	ISBM-SUS_T-N-S	9	ISBM	US	0.050904
TM	CHI	2009	ISBM-CA_N(freshwater)	10	ISBM	CA	0.033155
TM	CHI	2009	ISBM-CA_S(freshwater)	11	ISBM	CA	0.139987
TM	CHI	2009	Esc_Stray	12	Esc_Stray	Either	0.012726
TM	CHI	2009	Escapement	13	Esc	CA	0.675486
TM	CHI	2010	SEAK_T-N-S	1	AABM	US	0.002503
TM	CHI	2010	NBC-WCVI_T	2	AABM	CA	0.026904
TM	CHI	2010	NBC-WCVI_S	3	AABM	CA	0.023776
TM	CHI	2010	ISBM-CA_T-N	4	ISBM	CA	0
TM	CHI	2010	ISBM-CA_S(inside)	5	ISBM	CA	0.002033
TM	CHI	2010	Fraser_N	6	ISBM	CA	0.000313
TM	CHI	2010	ISBM-CA_S(SOG)	7	ISBM	CA	0.04458
TM	CHI	2010	ISBM-CA_S(JdF)	8	ISBM	CA	0.015799
TM	CHI	2010	ISBM-SUS_T-N-S	9	ISBM	US	0.066635
TM	CHI	2010	ISBM-CA_N(freshwater)	10	ISBM	CA	0.014391
TM	CHI	2010	ISBM-CA_S(freshwater)	11	ISBM	CA	0.06163
TM	CHI	2010	Esc_Stray	12	Esc_Stray	Either	0.005944
TM	CHI	2010	Escapement	13	Esc	CA	0.735492
TM	CHI	2011	SEAK_T-N-S	1	AABM	US	0
TM	CHI	2011	NBC-WCVI_T	2	AABM	CA	0.038259
TM	CHI	2011	NBC-WCVI_S	3	AABM	CA	0.023976
TM	CHI	2011	ISBM-CA_T-N	4	ISBM	CA	0.00034
TM	CHI	2011	ISBM-CA_S(inside)	5	ISBM	CA	0.006461
TM	CHI	2011	Fraser_N	6	ISBM	CA	0.008502
TM	CHI	2011	ISBM-CA_S(SOG)	7	ISBM	CA	0.027886
TM	CHI	2011	ISBM-CA_S(JdF)	8	ISBM	CA	0.005611
TM	CHI	2011	ISBM-SUS_T-N-S	9	ISBM	US	0.053732
TM	CHI	2011	ISBM-CA_N(freshwater)	10	ISBM	CA	0.006802
TM	CHI	2011	ISBM-CA_S(freshwater)	11	ISBM	CA	0.030097
TM	CHI	2011	Esc_Stray	12	Esc_Stray	Either	0
TM	CHI	2011	Escapement	13	Esc	CA	0.798334
TM	CHI	2012	SEAK_T-N-S	1	AABM	US	0
TM	CHI	2012	NBC-WCVI_T	2	AABM	CA	0.010511
TM	CHI	2012	NBC-WCVI_S	3	AABM	CA	0.014075
TM	CHI	2012	ISBM-CA_T-N	4	ISBM	CA	0
TM	CHI	2012	ISBM-CA_S(inside)	5	ISBM	CA	0.00196
TM	CHI	2012	Fraser_N	6	ISBM	CA	0.00196
TM	CHI	2012	ISBM-CA_S(SOG)	7	ISBM	CA	0.109745
TM	CHI	2012	ISBM-CA_S(JdF)	8	ISBM	CA	0.004276
TM	CHI	2012	ISBM-SUS_T-N-S	9	ISBM	US	0.138963
TM	CHI	2012	ISBM-CA_N(freshwater)	10	ISBM	CA	0.002672
TM	CHI	2012	ISBM-CA_S(freshwater)	11	ISBM	CA	0.053626
TM	CHI	2012	Esc_Stray	12	Esc_Stray	Either	0
TM	CHI	2012	Escapement	13	Esc	CA	0.662213

MortType	Stock	Year	Fishery	FisheryNun	FisheryType	FisheryCou	Prop_Mort
TM	CHI	2013	SEAK_T-N-S	1	AABM	US	0.000613
TM	CHI	2013	NBC-WCVI_T	2	AABM	CA	0.025142
TM	CHI	2013	NBC-WCVI_S	3	AABM	CA	0.023072
TM	CHI	2013	ISBM-CA_T-N	4	ISBM	CA	0.000383
TM	CHI	2013	ISBM-CA_S(inside)	5	ISBM	CA	0.001303
TM	CHI	2013	Fraser_N	6	ISBM	CA	0.009505
TM	CHI	2013	ISBM-CA_S(SOG)	7	ISBM	CA	0.088533
TM	CHI	2013	ISBM-CA_S(JdF)	8	ISBM	CA	0.013491
TM	CHI	2013	ISBM-SUS_T-N-S	9	ISBM	US	0.102943
TM	CHI	2013	ISBM-CA_N(freshwater)	10	ISBM	CA	0.012954
TM	CHI	2013	ISBM-CA_S(freshwater)	11	ISBM	CA	0.056799
TM	CHI	2013	Esc_Stray	12	Esc_Stray	Either	0.002759
TM	CHI	2013	Escapement	13	Esc	CA	0.662502
TM	CHI	2014	SEAK_T-N-S	1	AABM	US	0.001338
TM	CHI	2014	NBC-WCVI_T	2	AABM	CA	0.014048
TM	CHI	2014	NBC-WCVI_S	3	AABM	CA	0.012208
TM	CHI	2014	ISBM-CA_T-N	4	ISBM	CA	0.000585
TM	CHI	2014	ISBM-CA_S(inside)	5	ISBM	CA	0.002509
TM	CHI	2014	Fraser_N	6	ISBM	CA	0.022577
TM	CHI	2014	ISBM-CA_S(SOG)	7	ISBM	CA	0.102182
TM	CHI	2014	ISBM-CA_S(JdF)	8	ISBM	CA	0.011372
TM	CHI	2014	ISBM-SUS_T-N-S	9	ISBM	US	0.07024
TM	CHI	2014	ISBM-CA_N(freshwater)	10	ISBM	CA	0.013463
TM	CHI	2014	ISBM-CA_S(freshwater)	11	ISBM	CA	0.037963
TM	CHI	2014	Esc_Stray	12	Esc_Stray	Either	0.003345
TM	CHI	2014	Escapement	13	Esc	CA	0.70817
TM	CHI	2015	SEAK_T-N-S	1	AABM	US	0
TM	CHI	2015	NBC-WCVI_T	2	AABM	CA	0.005059
TM	CHI	2015	NBC-WCVI_S	3	AABM	CA	0.006008
TM	CHI	2015	ISBM-CA_T-N	4	ISBM	CA	0.000158
TM	CHI	2015	ISBM-CA_S(inside)	5	ISBM	CA	0.000632
TM	CHI	2015	Fraser_N	6	ISBM	CA	0.010909
TM	CHI	2015	ISBM-CA_S(SOG)	7	ISBM	CA	0.096285
TM	CHI	2015	ISBM-CA_S(JdF)	8	ISBM	CA	0.007431
TM	CHI	2015	ISBM-SUS_T-N-S	9	ISBM	US	0.055494
TM	CHI	2015	ISBM-CA_N(freshwater)	10	ISBM	CA	0.032411
TM	CHI	2015	ISBM-CA_S(freshwater)	11	ISBM	CA	0.058498
TM	CHI	2015	Esc_Stray	12	Esc_Stray	Either	0.010277
TM	CHI	2015	Escapement	13	Esc	CA	0.716838
TM	CHI	2016	SEAK_T-N-S	1	AABM	US	0.000876
TM	CHI	2016	NBC-WCVI_T	2	AABM	CA	0.011092
TM	CHI	2016	NBC-WCVI_S	3	AABM	CA	0.018097
TM	CHI	2016	ISBM-CA_T-N	4	ISBM	CA	0
TM	CHI	2016	ISBM-CA_S(inside)	5	ISBM	CA	0.001605
TM	CHI	2016	Fraser_N	6	ISBM	CA	0.001605
TM	CHI	2016	ISBM-CA_S(SOG)	7	ISBM	CA	0.108435

MortType	Stock	Year	Fishery	FisheryNun	FisheryType	FisheryCou	Prop_Mort
TM	CHI	2016	ISBM-CA_S(JdF)	8	ISBM	CA	0.003649
TM	CHI	2016	ISBM-SUS_T-N-S	9	ISBM	US	0.029189
TM	CHI	2016	ISBM-CA_N(freshwater)	10	ISBM	CA	0.007881
TM	CHI	2016	ISBM-CA_S(freshwater)	11	ISBM	CA	0.069177
TM	CHI	2016	Esc_Stray	12	Esc_Stray	Either	0.002919
TM	CHI	2016	Escapement	13	Esc	CA	0.745476
TM	CHI	2017	SEAK_T-N-S	1	AABM	US	0
TM	CHI	2017	NBC-WCVI_T	2	AABM	CA	0.018593
TM	CHI	2017	NBC-WCVI_S	3	AABM	CA	0.033328
TM	CHI	2017	ISBM-CA_T-N	4	ISBM	CA	0
TM	CHI	2017	ISBM-CA_S(inside)	5	ISBM	CA	0.003333
TM	CHI	2017	Fraser_N	6	ISBM	CA	0.004385
TM	CHI	2017	ISBM-CA_S(SOG)	7	ISBM	CA	0.187862
TM	CHI	2017	ISBM-CA_S(JdF)	8	ISBM	CA	0.006666
TM	CHI	2017	ISBM-SUS_T-N-S	9	ISBM	US	0.068058
TM	CHI	2017	ISBM-CA_N(freshwater)	10	ISBM	CA	0.005613
TM	CHI	2017	ISBM-CA_S(freshwater)	11	ISBM	CA	0.085073
TM	CHI	2017	Esc_Stray	12	Esc_Stray	Either	0.009472
TM	CHI	2017	Escapement	13	Esc	CA	0.577618
TM	CHI	2018	SEAK_T-N-S	1	AABM	US	0.001772
TM	CHI	2018	NBC-WCVI_T	2	AABM	CA	0.00833
TM	CHI	2018	NBC-WCVI_S	3	AABM	CA	0.010103
TM	CHI	2018	ISBM-CA_T-N	4	ISBM	CA	0
TM	CHI	2018	ISBM-CA_S(inside)	5	ISBM	CA	0.006026
TM	CHI	2018	Fraser_N	6	ISBM	CA	0.007976
TM	CHI	2018	ISBM-CA_S(SOG)	7	ISBM	CA	0.16519
TM	CHI	2018	ISBM-CA_S(JdF)	8	ISBM	CA	0.015775
TM	CHI	2018	ISBM-SUS_T-N-S	9	ISBM	US	0.085608
TM	CHI	2018	ISBM-CA_N(freshwater)	10	ISBM	CA	0.015775
TM	CHI	2018	ISBM-CA_S(freshwater)	11	ISBM	CA	0.028713
TM	CHI	2018	Esc_Stray	12	Esc_Stray	Either	0
TM	CHI	2018	Escapement	13	Esc	CA	0.654732
LC	HAR	2009	SEAK_T-N-S	1	AABM	US	0
LC	HAR	2009	NBC-WCVI_T	2	AABM	CA	0.012381
LC	HAR	2009	NBC-WCVI_S	3	AABM	CA	0.030476
LC	HAR	2009	ISBM-CA_T-N	4	ISBM	CA	0
LC	HAR	2009	ISBM-CA_S(inside)	5	ISBM	CA	0
LC	HAR	2009	Fraser_N	6	ISBM	CA	0
LC	HAR	2009	ISBM-CA_S(SOG)	7	ISBM	CA	0.026191
LC	HAR	2009	ISBM-CA_S(JdF)	8	ISBM	CA	0.002381
LC	HAR	2009	ISBM-SUS_T-N-S	9	ISBM	US	0.017619
LC	HAR	2009	ISBM-CA_N(freshwater)	10	ISBM	CA	0.015714
LC	HAR	2009	ISBM-CA_S(freshwater)	11	ISBM	CA	0.015714
LC	HAR	2009	Esc_Stray	12	Esc_Stray	Either	0.000476
LC	HAR	2009	Escapement	13	Esc	CA	0.879048
LC	HAR	2010	SEAK_T-N-S	1	AABM	US	0.004149

MortType	Stock	Year	Fishery	FisheryNun	FisheryTyp	FisheryCou	Prop_Mort
LC	HAR	2010	NBC-WCVI_T	2	AABM	CA	0.040975
LC	HAR	2010	NBC-WCVI_S	3	AABM	CA	0.031639
LC	HAR	2010	ISBM-CA_T-N	4	ISBM	CA	0
LC	HAR	2010	ISBM-CA_S(inside)	5	ISBM	CA	0.006743
LC	HAR	2010	Fraser_N	6	ISBM	CA	0
LC	HAR	2010	ISBM-CA_S(SOG)	7	ISBM	CA	0.02749
LC	HAR	2010	ISBM-CA_S(JdF)	8	ISBM	CA	0.013486
LC	HAR	2010	ISBM-SUS_T-N-S	9	ISBM	US	0.065871
LC	HAR	2010	ISBM-CA_N(freshwater)	10	ISBM	CA	0.010892
LC	HAR	2010	ISBM-CA_S(freshwater)	11	ISBM	CA	0.003112
LC	HAR	2010	Esc_Stray	12	Esc_Stray	Either	0.000519
LC	HAR	2010	Escapement	13	Esc	CA	0.795124
LC	HAR	2011	SEAK_T-N-S	1	AABM	US	0.002263
LC	HAR	2011	NBC-WCVI_T	2	AABM	CA	0.034327
LC	HAR	2011	NBC-WCVI_S	3	AABM	CA	0.050547
LC	HAR	2011	ISBM-CA_T-N	4	ISBM	CA	0
LC	HAR	2011	ISBM-CA_S(inside)	5	ISBM	CA	0.010185
LC	HAR	2011	Fraser_N	6	ISBM	CA	0.00679
LC	HAR	2011	ISBM-CA_S(SOG)	7	ISBM	CA	0.033195
LC	HAR	2011	ISBM-CA_S(JdF)	8	ISBM	CA	0.002263
LC	HAR	2011	ISBM-SUS_T-N-S	9	ISBM	US	0.055451
LC	HAR	2011	ISBM-CA_N(freshwater)	10	ISBM	CA	0.013957
LC	HAR	2011	ISBM-CA_S(freshwater)	11	ISBM	CA	0
LC	HAR	2011	Esc_Stray	12	Esc_Stray	Either	0
LC	HAR	2011	Escapement	13	Esc	CA	0.791022
LC	HAR	2012	SEAK_T-N-S	1	AABM	US	0.002071
LC	HAR	2012	NBC-WCVI_T	2	AABM	CA	0.012947
LC	HAR	2012	NBC-WCVI_S	3	AABM	CA	0.005697
LC	HAR	2012	ISBM-CA_T-N	4	ISBM	CA	0
LC	HAR	2012	ISBM-CA_S(inside)	5	ISBM	CA	0.003107
LC	HAR	2012	Fraser_N	6	ISBM	CA	0.001036
LC	HAR	2012	ISBM-CA_S(SOG)	7	ISBM	CA	0.051269
LC	HAR	2012	ISBM-CA_S(JdF)	8	ISBM	CA	0.010875
LC	HAR	2012	ISBM-SUS_T-N-S	9	ISBM	US	0.061626
LC	HAR	2012	ISBM-CA_N(freshwater)	10	ISBM	CA	0.003625
LC	HAR	2012	ISBM-CA_S(freshwater)	11	ISBM	CA	0.009322
LC	HAR	2012	Esc_Stray	12	Esc_Stray	Either	0.000518
LC	HAR	2012	Escapement	13	Esc	CA	0.837908
LC	HAR	2013	SEAK_T-N-S	1	AABM	US	0.001246
LC	HAR	2013	NBC-WCVI_T	2	AABM	CA	0.019321
LC	HAR	2013	NBC-WCVI_S	3	AABM	CA	0.020256
LC	HAR	2013	ISBM-CA_T-N	4	ISBM	CA	0
LC	HAR	2013	ISBM-CA_S(inside)	5	ISBM	CA	0.002805
LC	HAR	2013	Fraser_N	6	ISBM	CA	0.004051
LC	HAR	2013	ISBM-CA_S(SOG)	7	ISBM	CA	0.042069
LC	HAR	2013	ISBM-CA_S(JdF)	8	ISBM	CA	0.003428

MortType	Stock	Year	Fishery	FisheryNum	FisheryType	FisheryCou	Prop_Mort
LC	HAR	2013	ISBM-SUS_T-N-S	9	ISBM	US	0.083515
LC	HAR	2013	ISBM-CA_N(freshwater)	10	ISBM	CA	0
LC	HAR	2013	ISBM-CA_S(freshwater)	11	ISBM	CA	0.004674
LC	HAR	2013	Esc_Stray	12	Esc_Stray	Either	0.013711
LC	HAR	2013	Escapement	13	Esc	CA	0.804924
LC	HAR	2014	SEAK_T-N-S	1	AABM	US	0.005114
LC	HAR	2014	NBC-WCVI_T	2	AABM	CA	0.039981
LC	HAR	2014	NBC-WCVI_S	3	AABM	CA	0.008368
LC	HAR	2014	ISBM-CA_T-N	4	ISBM	CA	0
LC	HAR	2014	ISBM-CA_S(inside)	5	ISBM	CA	0.003254
LC	HAR	2014	Fraser_N	6	ISBM	CA	0.011623
LC	HAR	2014	ISBM-CA_S(SOG)	7	ISBM	CA	0.108322
LC	HAR	2014	ISBM-CA_S(JdF)	8	ISBM	CA	0.006974
LC	HAR	2014	ISBM-SUS_T-N-S	9	ISBM	US	0.084147
LC	HAR	2014	ISBM-CA_N(freshwater)	10	ISBM	CA	0.034403
LC	HAR	2014	ISBM-CA_S(freshwater)	11	ISBM	CA	0
LC	HAR	2014	Esc_Stray	12	Esc_Stray	Either	0
LC	HAR	2014	Escapement	13	Esc	CA	0.697815
LC	HAR	2015	SEAK_T-N-S	1	AABM	US	0.001701
LC	HAR	2015	NBC-WCVI_T	2	AABM	CA	0.013039
LC	HAR	2015	NBC-WCVI_S	3	AABM	CA	0.008503
LC	HAR	2015	ISBM-CA_T-N	4	ISBM	CA	0
LC	HAR	2015	ISBM-CA_S(inside)	5	ISBM	CA	0
LC	HAR	2015	Fraser_N	6	ISBM	CA	0.011905
LC	HAR	2015	ISBM-CA_S(SOG)	7	ISBM	CA	0.066893
LC	HAR	2015	ISBM-CA_S(JdF)	8	ISBM	CA	0.015873
LC	HAR	2015	ISBM-SUS_T-N-S	9	ISBM	US	0.056689
LC	HAR	2015	ISBM-CA_N(freshwater)	10	ISBM	CA	0.021542
LC	HAR	2015	ISBM-CA_S(freshwater)	11	ISBM	CA	0.003401
LC	HAR	2015	Esc_Stray	12	Esc_Stray	Either	0
LC	HAR	2015	Escapement	13	Esc	CA	0.800454
LC	HAR	2016	SEAK_T-N-S	1	AABM	US	0.005978
LC	HAR	2016	NBC-WCVI_T	2	AABM	CA	0.009167
LC	HAR	2016	NBC-WCVI_S	3	AABM	CA	0.023515
LC	HAR	2016	ISBM-CA_T-N	4	ISBM	CA	0
LC	HAR	2016	ISBM-CA_S(inside)	5	ISBM	CA	0
LC	HAR	2016	Fraser_N	6	ISBM	CA	0.002391
LC	HAR	2016	ISBM-CA_S(SOG)	7	ISBM	CA	0.055002
LC	HAR	2016	ISBM-CA_S(JdF)	8	ISBM	CA	0.00837
LC	HAR	2016	ISBM-SUS_T-N-S	9	ISBM	US	0.019928
LC	HAR	2016	ISBM-CA_N(freshwater)	10	ISBM	CA	0.017537
LC	HAR	2016	ISBM-CA_S(freshwater)	11	ISBM	CA	0.003986
LC	HAR	2016	Esc_Stray	12	Esc_Stray	Either	0.009167
LC	HAR	2016	Escapement	13	Esc	CA	0.844958
LC	HAR	2017	SEAK_T-N-S	1	AABM	US	0
LC	HAR	2017	NBC-WCVI_T	2	AABM	CA	0.02525

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MortType	Stock	Year	Fishery	FisheryNun	FisheryTyp	FisheryCou	Prop_Mort
LC	HAR	2017	NBC-WCVI_S	3	AABM	CA	0.064592
LC	HAR	2017	ISBM-CA_T-N	4	ISBM	CA	0
LC	HAR	2017	ISBM-CA_S(inside)	5	ISBM	CA	0.001762
LC	HAR	2017	Fraser_N	6	ISBM	CA	0.006459
LC	HAR	2017	ISBM-CA_S(SOG)	7	ISBM	CA	0.149736
LC	HAR	2017	ISBM-CA_S(JdF)	8	ISBM	CA	0.017029
LC	HAR	2017	ISBM-SUS_T-N-S	9	ISBM	US	0.093952
LC	HAR	2017	ISBM-CA_N(freshwater)	10	ISBM	CA	0.008221
LC	HAR	2017	ISBM-CA_S(freshwater)	11	ISBM	CA	0
LC	HAR	2017	Esc_Stray	12	Esc_Stray	Either	0.000587
LC	HAR	2017	Escapement	13	Esc	CA	0.632413
LC	HAR	2018	SEAK_T-N-S	1	AABM	US	0.001556
LC	HAR	2018	NBC-WCVI_T	2	AABM	CA	0.007523
LC	HAR	2018	NBC-WCVI_S	3	AABM	CA	0.026978
LC	HAR	2018	ISBM-CA_T-N	4	ISBM	CA	0
LC	HAR	2018	ISBM-CA_S(inside)	5	ISBM	CA	0.000259
LC	HAR	2018	Fraser_N	6	ISBM	CA	0.003372
LC	HAR	2018	ISBM-CA_S(SOG)	7	ISBM	CA	0.089754
LC	HAR	2018	ISBM-CA_S(JdF)	8	ISBM	CA	0.004669
LC	HAR	2018	ISBM-SUS_T-N-S	9	ISBM	US	0.076265
LC	HAR	2018	ISBM-CA_N(freshwater)	10	ISBM	CA	0.031907
LC	HAR	2018	ISBM-CA_S(freshwater)	11	ISBM	CA	0.000519
LC	HAR	2018	Esc_Stray	12	Esc_Stray	Either	0.018936
LC	HAR	2018	Escapement	13	Esc	CA	0.738262
TM	HAR	2009	SEAK_T-N-S	1	AABM	US	0.000454
TM	HAR	2009	NBC-WCVI_T	2	AABM	CA	0.016341
TM	HAR	2009	NBC-WCVI_S	3	AABM	CA	0.036768
TM	HAR	2009	ISBM-CA_T-N	4	ISBM	CA	0
TM	HAR	2009	ISBM-CA_S(inside)	5	ISBM	CA	0.000908
TM	HAR	2009	Fraser_N	6	ISBM	CA	0
TM	HAR	2009	ISBM-CA_S(SOG)	7	ISBM	CA	0.039492
TM	HAR	2009	ISBM-CA_S(JdF)	8	ISBM	CA	0.003631
TM	HAR	2009	ISBM-SUS_T-N-S	9	ISBM	US	0.033137
TM	HAR	2009	ISBM-CA_N(freshwater)	10	ISBM	CA	0.01498
TM	HAR	2009	ISBM-CA_S(freshwater)	11	ISBM	CA	0.015887
TM	HAR	2009	Esc_Stray	12	Esc_Stray	Either	0.000454
TM	HAR	2009	Escapement	13	Esc	CA	0.837948
TM	HAR	2010	SEAK_T-N-S	1	AABM	US	0.006487
TM	HAR	2010	NBC-WCVI_T	2	AABM	CA	0.041417
TM	HAR	2010	NBC-WCVI_S	3	AABM	CA	0.037425
TM	HAR	2010	ISBM-CA_T-N	4	ISBM	CA	0
TM	HAR	2010	ISBM-CA_S(inside)	5	ISBM	CA	0.006986
TM	HAR	2010	Fraser_N	6	ISBM	CA	0
TM	HAR	2010	ISBM-CA_S(SOG)	7	ISBM	CA	0.036926
TM	HAR	2010	ISBM-CA_S(JdF)	8	ISBM	CA	0.013972
TM	HAR	2010	ISBM-SUS_T-N-S	9	ISBM	US	0.077844

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MortType	Stock	Year	Fishery	FisheryNun	FisheryTyp	FisheryCou	Prop_Mort
TM	HAR	2010	ISBM-CA_N(freshwater)	10	ISBM	CA	0.010479
TM	HAR	2010	ISBM-CA_S(freshwater)	11	ISBM	CA	0.002994
TM	HAR	2010	Esc_Stray	12	Esc_Stray	Either	0.000499
TM	HAR	2010	Escapement	13	Esc	CA	0.76497
TM	HAR	2011	SEAK_T-N-S	1	AABM	US	0.002566
TM	HAR	2011	NBC-WCVI_T	2	AABM	CA	0.034458
TM	HAR	2011	NBC-WCVI_S	3	AABM	CA	0.056452
TM	HAR	2011	ISBM-CA_T-N	4	ISBM	CA	0
TM	HAR	2011	ISBM-CA_S(inside)	5	ISBM	CA	0.010997
TM	HAR	2011	Fraser_N	6	ISBM	CA	0.008065
TM	HAR	2011	ISBM-CA_S(SOG)	7	ISBM	CA	0.039223
TM	HAR	2011	ISBM-CA_S(JdF)	8	ISBM	CA	0.002199
TM	HAR	2011	ISBM-SUS_T-N-S	9	ISBM	US	0.063783
TM	HAR	2011	ISBM-CA_N(freshwater)	10	ISBM	CA	0.013563
TM	HAR	2011	ISBM-CA_S(freshwater)	11	ISBM	CA	0
TM	HAR	2011	Esc_Stray	12	Esc_Stray	Either	0
TM	HAR	2011	Escapement	13	Esc	CA	0.768695
TM	HAR	2012	SEAK_T-N-S	1	AABM	US	0.002392
TM	HAR	2012	NBC-WCVI_T	2	AABM	CA	0.013397
TM	HAR	2012	NBC-WCVI_S	3	AABM	CA	0.006699
TM	HAR	2012	ISBM-CA_T-N	4	ISBM	CA	0
TM	HAR	2012	ISBM-CA_S(inside)	5	ISBM	CA	0.003349
TM	HAR	2012	Fraser_N	6	ISBM	CA	0.000957
TM	HAR	2012	ISBM-CA_S(SOG)	7	ISBM	CA	0.08134
TM	HAR	2012	ISBM-CA_S(JdF)	8	ISBM	CA	0.011483
TM	HAR	2012	ISBM-SUS_T-N-S	9	ISBM	US	0.093301
TM	HAR	2012	ISBM-CA_N(freshwater)	10	ISBM	CA	0.003349
TM	HAR	2012	ISBM-CA_S(freshwater)	11	ISBM	CA	0.009091
TM	HAR	2012	Esc_Stray	12	Esc_Stray	Either	0.000478
TM	HAR	2012	Escapement	13	Esc	CA	0.774163
TM	HAR	2013	SEAK_T-N-S	1	AABM	US	0.002302
TM	HAR	2013	NBC-WCVI_T	2	AABM	CA	0.020144
TM	HAR	2013	NBC-WCVI_S	3	AABM	CA	0.023309
TM	HAR	2013	ISBM-CA_T-N	4	ISBM	CA	0
TM	HAR	2013	ISBM-CA_S(inside)	5	ISBM	CA	0.003165
TM	HAR	2013	Fraser_N	6	ISBM	CA	0.01036
TM	HAR	2013	ISBM-CA_S(SOG)	7	ISBM	CA	0.068777
TM	HAR	2013	ISBM-CA_S(JdF)	8	ISBM	CA	0.003741
TM	HAR	2013	ISBM-SUS_T-N-S	9	ISBM	US	0.107626
TM	HAR	2013	ISBM-CA_N(freshwater)	10	ISBM	CA	0
TM	HAR	2013	ISBM-CA_S(freshwater)	11	ISBM	CA	0.004604
TM	HAR	2013	Esc_Stray	12	Esc_Stray	Either	0.012662
TM	HAR	2013	Escapement	13	Esc	CA	0.743309
TM	HAR	2014	SEAK_T-N-S	1	AABM	US	0.006599
TM	HAR	2014	NBC-WCVI_T	2	AABM	CA	0.039155
TM	HAR	2014	NBC-WCVI_S	3	AABM	CA	0.008799

MortType	Stock	Year	Fishery	FisheryNun	FisheryTyp	FisheryCou	Prop_Mort
TM	HAR	2014	ISBM-CA_T-N	4	ISBM	CA	0.00044
TM	HAR	2014	ISBM-CA_S(inside)	5	ISBM	CA	0.00352
TM	HAR	2014	Fraser_N	6	ISBM	CA	0.019358
TM	HAR	2014	ISBM-CA_S(SOG)	7	ISBM	CA	0.127585
TM	HAR	2014	ISBM-CA_S(JdF)	8	ISBM	CA	0.007039
TM	HAR	2014	ISBM-SUS_T-N-S	9	ISBM	US	0.094589
TM	HAR	2014	ISBM-CA_N(freshwater)	10	ISBM	CA	0.032556
TM	HAR	2014	ISBM-CA_S(freshwater)	11	ISBM	CA	0
TM	HAR	2014	Esc_Stray	12	Esc_Stray	Either	0
TM	HAR	2014	Escapement	13	Esc	CA	0.660361
TM	HAR	2015	SEAK_T-N-S	1	AABM	US	0.002179
TM	HAR	2015	NBC-WCVI_T	2	AABM	CA	0.013617
TM	HAR	2015	NBC-WCVI_S	3	AABM	CA	0.010349
TM	HAR	2015	ISBM-CA_T-N	4	ISBM	CA	0
TM	HAR	2015	ISBM-CA_S(inside)	5	ISBM	CA	0
TM	HAR	2015	Fraser_N	6	ISBM	CA	0.011983
TM	HAR	2015	ISBM-CA_S(SOG)	7	ISBM	CA	0.086057
TM	HAR	2015	ISBM-CA_S(JdF)	8	ISBM	CA	0.016885
TM	HAR	2015	ISBM-SUS_T-N-S	9	ISBM	US	0.065904
TM	HAR	2015	ISBM-CA_N(freshwater)	10	ISBM	CA	0.020697
TM	HAR	2015	ISBM-CA_S(freshwater)	11	ISBM	CA	0.003268
TM	HAR	2015	Esc_Stray	12	Esc_Stray	Either	0
TM	HAR	2015	Escapement	13	Esc	CA	0.769063
TM	HAR	2016	SEAK_T-N-S	1	AABM	US	0.007211
TM	HAR	2016	NBC-WCVI_T	2	AABM	CA	0.009867
TM	HAR	2016	NBC-WCVI_S	3	AABM	CA	0.026566
TM	HAR	2016	ISBM-CA_T-N	4	ISBM	CA	0
TM	HAR	2016	ISBM-CA_S(inside)	5	ISBM	CA	0
TM	HAR	2016	Fraser_N	6	ISBM	CA	0.002277
TM	HAR	2016	ISBM-CA_S(SOG)	7	ISBM	CA	0.087666
TM	HAR	2016	ISBM-CA_S(JdF)	8	ISBM	CA	0.009108
TM	HAR	2016	ISBM-SUS_T-N-S	9	ISBM	US	0.02315
TM	HAR	2016	ISBM-CA_N(freshwater)	10	ISBM	CA	0.016698
TM	HAR	2016	ISBM-CA_S(freshwater)	11	ISBM	CA	0.004175
TM	HAR	2016	Esc_Stray	12	Esc_Stray	Either	0.008729
TM	HAR	2016	Escapement	13	Esc	CA	0.804554
TM	HAR	2017	SEAK_T-N-S	1	AABM	US	0
TM	HAR	2017	NBC-WCVI_T	2	AABM	CA	0.023333
TM	HAR	2017	NBC-WCVI_S	3	AABM	CA	0.06381
TM	HAR	2017	ISBM-CA_T-N	4	ISBM	CA	0
TM	HAR	2017	ISBM-CA_S(inside)	5	ISBM	CA	0.001429
TM	HAR	2017	Fraser_N	6	ISBM	CA	0.005714
TM	HAR	2017	ISBM-CA_S(SOG)	7	ISBM	CA	0.269048
TM	HAR	2017	ISBM-CA_S(JdF)	8	ISBM	CA	0.016191
TM	HAR	2017	ISBM-SUS_T-N-S	9	ISBM	US	0.100476
TM	HAR	2017	ISBM-CA_N(freshwater)	10	ISBM	CA	0.006667

MortType	Stock	Year	Fishery	FisheryNun	FisheryTyp	FisheryCou	Prop_Mort
TM	HAR	2017	ISBM-CA_S(freshwater)	11	ISBM	CA	0
TM	HAR	2017	Esc_Stray	12	Esc_Stray	Either	0.000476
TM	HAR	2017	Escapement	13	Esc	CA	0.512857
TM	HAR	2018	SEAK_T-N-S	1	AABM	US	0.001676
TM	HAR	2018	NBC-WCVI_T	2	AABM	CA	0.008381
TM	HAR	2018	NBC-WCVI_S	3	AABM	CA	0.029215
TM	HAR	2018	ISBM-CA_T-N	4	ISBM	CA	0
TM	HAR	2018	ISBM-CA_S(inside)	5	ISBM	CA	0.000239
TM	HAR	2018	Fraser_N	6	ISBM	CA	0.008381
TM	HAR	2018	ISBM-CA_S(SOG)	7	ISBM	CA	0.127395
TM	HAR	2018	ISBM-CA_S(JdF)	8	ISBM	CA	0.004789
TM	HAR	2018	ISBM-SUS_T-N-S	9	ISBM	US	0.090996
TM	HAR	2018	ISBM-CA_N(freshwater)	10	ISBM	CA	0.029454
TM	HAR	2018	ISBM-CA_S(freshwater)	11	ISBM	CA	0.000479
TM	HAR	2018	Esc_Stray	12	Esc_Stray	Either	0.017481
TM	HAR	2018	Escapement	13	Esc	CA	0.681513
LC	NIC	2009	SEAK_T-N-S	1	AABM	US	0
LC	NIC	2009	NBC-WCVI_T	2	AABM	CA	0.003623
LC	NIC	2009	NBC-WCVI_S	3	AABM	CA	0
LC	NIC	2009	ISBM-CA_T-N	4	ISBM	CA	0
LC	NIC	2009	ISBM-CA_S(inside)	5	ISBM	CA	0
LC	NIC	2009	Fraser_N	6	ISBM	CA	0
LC	NIC	2009	ISBM-CA_S(SOG)	7	ISBM	CA	0
LC	NIC	2009	ISBM-CA_S(JdF)	8	ISBM	CA	0.07971
LC	NIC	2009	ISBM-SUS_T-N-S	9	ISBM	US	0.036232
LC	NIC	2009	ISBM-CA_N(freshwater)	10	ISBM	CA	0.199275
LC	NIC	2009	ISBM-CA_S(freshwater)	11	ISBM	CA	0.199275
LC	NIC	2009	Esc_Stray	12	Esc_Stray	Either	0
LC	NIC	2009	Escapement	13	Esc	CA	0.481884
LC	NIC	2010	SEAK_T-N-S	1	AABM	US	0.003045
LC	NIC	2010	NBC-WCVI_T	2	AABM	CA	0.011309
LC	NIC	2010	NBC-WCVI_S	3	AABM	CA	0.002175
LC	NIC	2010	ISBM-CA_T-N	4	ISBM	CA	0
LC	NIC	2010	ISBM-CA_S(inside)	5	ISBM	CA	0
LC	NIC	2010	Fraser_N	6	ISBM	CA	0
LC	NIC	2010	ISBM-CA_S(SOG)	7	ISBM	CA	0.009134
LC	NIC	2010	ISBM-CA_S(JdF)	8	ISBM	CA	0.00522
LC	NIC	2010	ISBM-SUS_T-N-S	9	ISBM	US	0.009569
LC	NIC	2010	ISBM-CA_N(freshwater)	10	ISBM	CA	0.046542
LC	NIC	2010	ISBM-CA_S(freshwater)	11	ISBM	CA	0
LC	NIC	2010	Esc_Stray	12	Esc_Stray	Either	0
LC	NIC	2010	Escapement	13	Esc	CA	0.913006
LC	NIC	2011	SEAK_T-N-S	1	AABM	US	0
LC	NIC	2011	NBC-WCVI_T	2	AABM	CA	0.005988
LC	NIC	2011	NBC-WCVI_S	3	AABM	CA	0.004491
LC	NIC	2011	ISBM-CA_T-N	4	ISBM	CA	0

MortType	Stock	Year	Fishery	FisheryNun	FisheryTyp	FisheryCou	Prop_Mort
LC	NIC	2011	ISBM-CA_S(inside)	5	ISBM	CA	0
LC	NIC	2011	Fraser_N	6	ISBM	CA	0.002994
LC	NIC	2011	ISBM-CA_S(SOG)	7	ISBM	CA	0.01497
LC	NIC	2011	ISBM-CA_S(JdF)	8	ISBM	CA	0.023952
LC	NIC	2011	ISBM-SUS_T-N-S	9	ISBM	US	0.028443
LC	NIC	2011	ISBM-CA_N(freshwater)	10	ISBM	CA	0.038922
LC	NIC	2011	ISBM-CA_S(freshwater)	11	ISBM	CA	0.023952
LC	NIC	2011	Esc_Stray	12	Esc_Stray	Either	0
LC	NIC	2011	Escapement	13	Esc	CA	0.856287
LC	NIC	2012	SEAK_T-N-S	1	AABM	US	0
LC	NIC	2012	NBC-WCVI_T	2	AABM	CA	0.004292
LC	NIC	2012	NBC-WCVI_S	3	AABM	CA	0.005722
LC	NIC	2012	ISBM-CA_T-N	4	ISBM	CA	0
LC	NIC	2012	ISBM-CA_S(inside)	5	ISBM	CA	0
LC	NIC	2012	Fraser_N	6	ISBM	CA	0.005722
LC	NIC	2012	ISBM-CA_S(SOG)	7	ISBM	CA	0.018598
LC	NIC	2012	ISBM-CA_S(JdF)	8	ISBM	CA	0.017167
LC	NIC	2012	ISBM-SUS_T-N-S	9	ISBM	US	0.067239
LC	NIC	2012	ISBM-CA_N(freshwater)	10	ISBM	CA	0.177396
LC	NIC	2012	ISBM-CA_S(freshwater)	11	ISBM	CA	0.008584
LC	NIC	2012	Esc_Stray	12	Esc_Stray	Either	0
LC	NIC	2012	Escapement	13	Esc	CA	0.695279
LC	NIC	2013	SEAK_T-N-S	1	AABM	US	0
LC	NIC	2013	NBC-WCVI_T	2	AABM	CA	0.01046
LC	NIC	2013	NBC-WCVI_S	3	AABM	CA	0
LC	NIC	2013	ISBM-CA_T-N	4	ISBM	CA	0
LC	NIC	2013	ISBM-CA_S(inside)	5	ISBM	CA	0.002092
LC	NIC	2013	Fraser_N	6	ISBM	CA	0.002092
LC	NIC	2013	ISBM-CA_S(SOG)	7	ISBM	CA	0.009066
LC	NIC	2013	ISBM-CA_S(JdF)	8	ISBM	CA	0.033473
LC	NIC	2013	ISBM-SUS_T-N-S	9	ISBM	US	0.03696
LC	NIC	2013	ISBM-CA_N(freshwater)	10	ISBM	CA	0.016039
LC	NIC	2013	ISBM-CA_S(freshwater)	11	ISBM	CA	0
LC	NIC	2013	Esc_Stray	12	Esc_Stray	Either	0
LC	NIC	2013	Escapement	13	Esc	CA	0.889819
LC	NIC	2014	SEAK_T-N-S	1	AABM	US	0
LC	NIC	2014	NBC-WCVI_T	2	AABM	CA	0.018562
LC	NIC	2014	NBC-WCVI_S	3	AABM	CA	0
LC	NIC	2014	ISBM-CA_T-N	4	ISBM	CA	0
LC	NIC	2014	ISBM-CA_S(inside)	5	ISBM	CA	0
LC	NIC	2014	Fraser_N	6	ISBM	CA	0.009281
LC	NIC	2014	ISBM-CA_S(SOG)	7	ISBM	CA	0
LC	NIC	2014	ISBM-CA_S(JdF)	8	ISBM	CA	0.009281
LC	NIC	2014	ISBM-SUS_T-N-S	9	ISBM	US	0.013921
LC	NIC	2014	ISBM-CA_N(freshwater)	10	ISBM	CA	0.092807
LC	NIC	2014	ISBM-CA_S(freshwater)	11	ISBM	CA	0.009281

MortType	Stock	Year	Fishery	FisheryNun	FisheryTyp	FisheryCou	Prop_Mort
LC	NIC	2014	Esc_Stray	12	Esc_Stray	Either	0
LC	NIC	2014	Escapement	13	Esc	CA	0.846868
LC	NIC	2015	SEAK_T-N-S	1	AABM	US	0
LC	NIC	2015	NBC-WCVI_T	2	AABM	CA	0.004563
LC	NIC	2015	NBC-WCVI_S	3	AABM	CA	0.001304
LC	NIC	2015	ISBM-CA_T-N	4	ISBM	CA	0
LC	NIC	2015	ISBM-CA_S(inside)	5	ISBM	CA	0
LC	NIC	2015	Fraser_N	6	ISBM	CA	0.008475
LC	NIC	2015	ISBM-CA_S(SOG)	7	ISBM	CA	0.005867
LC	NIC	2015	ISBM-CA_S(JdF)	8	ISBM	CA	0.024772
LC	NIC	2015	ISBM-SUS_T-N-S	9	ISBM	US	0.014994
LC	NIC	2015	ISBM-CA_N(freshwater)	10	ISBM	CA	0.101043
LC	NIC	2015	ISBM-CA_S(freshwater)	11	ISBM	CA	0
LC	NIC	2015	Esc_Stray	12	Esc_Stray	Either	0
LC	NIC	2015	Escapement	13	Esc	CA	0.838983
LC	NIC	2016	SEAK_T-N-S	1	AABM	US	0.002096
LC	NIC	2016	NBC-WCVI_T	2	AABM	CA	0.023061
LC	NIC	2016	NBC-WCVI_S	3	AABM	CA	0
LC	NIC	2016	ISBM-CA_T-N	4	ISBM	CA	0
LC	NIC	2016	ISBM-CA_S(inside)	5	ISBM	CA	0
LC	NIC	2016	Fraser_N	6	ISBM	CA	0.007338
LC	NIC	2016	ISBM-CA_S(SOG)	7	ISBM	CA	0.01782
LC	NIC	2016	ISBM-CA_S(JdF)	8	ISBM	CA	0.072327
LC	NIC	2016	ISBM-SUS_T-N-S	9	ISBM	US	0.008386
LC	NIC	2016	ISBM-CA_N(freshwater)	10	ISBM	CA	0.102725
LC	NIC	2016	ISBM-CA_S(freshwater)	11	ISBM	CA	0
LC	NIC	2016	Esc_Stray	12	Esc_Stray	Either	0
LC	NIC	2016	Escapement	13	Esc	CA	0.766247
LC	NIC	2017	SEAK_T-N-S	1	AABM	US	0
LC	NIC	2017	NBC-WCVI_T	2	AABM	CA	0.018639
LC	NIC	2017	NBC-WCVI_S	3	AABM	CA	0
LC	NIC	2017	ISBM-CA_T-N	4	ISBM	CA	0
LC	NIC	2017	ISBM-CA_S(inside)	5	ISBM	CA	0
LC	NIC	2017	Fraser_N	6	ISBM	CA	0.001864
LC	NIC	2017	ISBM-CA_S(SOG)	7	ISBM	CA	0.012116
LC	NIC	2017	ISBM-CA_S(JdF)	8	ISBM	CA	0.017707
LC	NIC	2017	ISBM-SUS_T-N-S	9	ISBM	US	0.014912
LC	NIC	2017	ISBM-CA_N(freshwater)	10	ISBM	CA	0.077353
LC	NIC	2017	ISBM-CA_S(freshwater)	11	ISBM	CA	0
LC	NIC	2017	Esc_Stray	12	Esc_Stray	Either	0
LC	NIC	2017	Escapement	13	Esc	CA	0.857409
LC	NIC	2018	SEAK_T-N-S	1	AABM	US	0
LC	NIC	2018	NBC-WCVI_T	2	AABM	CA	0.009978
LC	NIC	2018	NBC-WCVI_S	3	AABM	CA	0.002217
LC	NIC	2018	ISBM-CA_T-N	4	ISBM	CA	0
LC	NIC	2018	ISBM-CA_S(inside)	5	ISBM	CA	0

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MortType	Stock	Year	Fishery	FisheryNum	FisheryType	FisheryCou	Prop_Mort
LC	NIC	2018	Fraser_N	6	ISBM	CA	0.004435
LC	NIC	2018	ISBM-CA_S(SOG)	7	ISBM	CA	0.013304
LC	NIC	2018	ISBM-CA_S(JdF)	8	ISBM	CA	0.031042
LC	NIC	2018	ISBM-SUS_T-N-S	9	ISBM	US	0.013304
LC	NIC	2018	ISBM-CA_N(freshwater)	10	ISBM	CA	0.174058
LC	NIC	2018	ISBM-CA_S(freshwater)	11	ISBM	CA	0
LC	NIC	2018	Esc_Stray	12	Esc_Stray	Either	0
LC	NIC	2018	Escapement	13	Esc	CA	0.751663
TM	NIC	2009	SEAK_T-N-S	1	AABM	US	0
TM	NIC	2009	NBC-WCVI_T	2	AABM	CA	0.003413
TM	NIC	2009	NBC-WCVI_S	3	AABM	CA	0
TM	NIC	2009	ISBM-CA_T-N	4	ISBM	CA	0
TM	NIC	2009	ISBM-CA_S(inside)	5	ISBM	CA	0
TM	NIC	2009	Fraser_N	6	ISBM	CA	0
TM	NIC	2009	ISBM-CA_S(SOG)	7	ISBM	CA	0
TM	NIC	2009	ISBM-CA_S(JdF)	8	ISBM	CA	0.081911
TM	NIC	2009	ISBM-SUS_T-N-S	9	ISBM	US	0.071672
TM	NIC	2009	ISBM-CA_N(freshwater)	10	ISBM	CA	0.187713
TM	NIC	2009	ISBM-CA_S(freshwater)	11	ISBM	CA	0.201365
TM	NIC	2009	Esc_Stray	12	Esc_Stray	Either	0
TM	NIC	2009	Escapement	13	Esc	CA	0.453925
TM	NIC	2010	SEAK_T-N-S	1	AABM	US	0.004296
TM	NIC	2010	NBC-WCVI_T	2	AABM	CA	0.015464
TM	NIC	2010	NBC-WCVI_S	3	AABM	CA	0.002577
TM	NIC	2010	ISBM-CA_T-N	4	ISBM	CA	0
TM	NIC	2010	ISBM-CA_S(inside)	5	ISBM	CA	0
TM	NIC	2010	Fraser_N	6	ISBM	CA	0
TM	NIC	2010	ISBM-CA_S(SOG)	7	ISBM	CA	0.012028
TM	NIC	2010	ISBM-CA_S(JdF)	8	ISBM	CA	0.005584
TM	NIC	2010	ISBM-SUS_T-N-S	9	ISBM	US	0.012457
TM	NIC	2010	ISBM-CA_N(freshwater)	10	ISBM	CA	0.045962
TM	NIC	2010	ISBM-CA_S(freshwater)	11	ISBM	CA	0
TM	NIC	2010	Esc_Stray	12	Esc_Stray	Either	0
TM	NIC	2010	Escapement	13	Esc	CA	0.901632
TM	NIC	2011	SEAK_T-N-S	1	AABM	US	0
TM	NIC	2011	NBC-WCVI_T	2	AABM	CA	0.008785
TM	NIC	2011	NBC-WCVI_S	3	AABM	CA	0.004392
TM	NIC	2011	ISBM-CA_T-N	4	ISBM	CA	0
TM	NIC	2011	ISBM-CA_S(inside)	5	ISBM	CA	0
TM	NIC	2011	Fraser_N	6	ISBM	CA	0.004392
TM	NIC	2011	ISBM-CA_S(SOG)	7	ISBM	CA	0.019034
TM	NIC	2011	ISBM-CA_S(JdF)	8	ISBM	CA	0.02489
TM	NIC	2011	ISBM-SUS_T-N-S	9	ISBM	US	0.038067
TM	NIC	2011	ISBM-CA_N(freshwater)	10	ISBM	CA	0.038067
TM	NIC	2011	ISBM-CA_S(freshwater)	11	ISBM	CA	0.02489
TM	NIC	2011	Esc_Stray	12	Esc_Stray	Either	0

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MortType	Stock	Year	Fishery	FisheryNun	FisheryTyp	FisheryCou	Prop_Mort
TM	NIC	2011	Escapement	13	Esc	CA	0.837482
TM	NIC	2012	SEAK_T-N-S	1	AABM	US	0
TM	NIC	2012	NBC-WCVI_T	2	AABM	CA	0.005533
TM	NIC	2012	NBC-WCVI_S	3	AABM	CA	0.008299
TM	NIC	2012	ISBM-CA_T-N	4	ISBM	CA	0
TM	NIC	2012	ISBM-CA_S(inside)	5	ISBM	CA	0
TM	NIC	2012	Fraser_N	6	ISBM	CA	0.005533
TM	NIC	2012	ISBM-CA_S(SOG)	7	ISBM	CA	0.023513
TM	NIC	2012	ISBM-CA_S(JdF)	8	ISBM	CA	0.017981
TM	NIC	2012	ISBM-SUS_T-N-S	9	ISBM	US	0.087137
TM	NIC	2012	ISBM-CA_N(freshwater)	10	ISBM	CA	0.171508
TM	NIC	2012	ISBM-CA_S(freshwater)	11	ISBM	CA	0.008299
TM	NIC	2012	Esc_Stray	12	Esc_Stray	Either	0
TM	NIC	2012	Escapement	13	Esc	CA	0.672199
TM	NIC	2013	SEAK_T-N-S	1	AABM	US	0
TM	NIC	2013	NBC-WCVI_T	2	AABM	CA	0.014325
TM	NIC	2013	NBC-WCVI_S	3	AABM	CA	0
TM	NIC	2013	ISBM-CA_T-N	4	ISBM	CA	0
TM	NIC	2013	ISBM-CA_S(inside)	5	ISBM	CA	0.002046
TM	NIC	2013	Fraser_N	6	ISBM	CA	0.005457
TM	NIC	2013	ISBM-CA_S(SOG)	7	ISBM	CA	0.011596
TM	NIC	2013	ISBM-CA_S(JdF)	8	ISBM	CA	0.034789
TM	NIC	2013	ISBM-SUS_T-N-S	9	ISBM	US	0.045703
TM	NIC	2013	ISBM-CA_N(freshwater)	10	ISBM	CA	0.015689
TM	NIC	2013	ISBM-CA_S(freshwater)	11	ISBM	CA	0
TM	NIC	2013	Esc_Stray	12	Esc_Stray	Either	0
TM	NIC	2013	Escapement	13	Esc	CA	0.870396
TM	NIC	2014	SEAK_T-N-S	1	AABM	US	0
TM	NIC	2014	NBC-WCVI_T	2	AABM	CA	0.020642
TM	NIC	2014	NBC-WCVI_S	3	AABM	CA	0
TM	NIC	2014	ISBM-CA_T-N	4	ISBM	CA	0
TM	NIC	2014	ISBM-CA_S(inside)	5	ISBM	CA	0
TM	NIC	2014	Fraser_N	6	ISBM	CA	0.016055
TM	NIC	2014	ISBM-CA_S(SOG)	7	ISBM	CA	0
TM	NIC	2014	ISBM-CA_S(JdF)	8	ISBM	CA	0.009174
TM	NIC	2014	ISBM-SUS_T-N-S	9	ISBM	US	0.016055
TM	NIC	2014	ISBM-CA_N(freshwater)	10	ISBM	CA	0.091743
TM	NIC	2014	ISBM-CA_S(freshwater)	11	ISBM	CA	0.009174
TM	NIC	2014	Esc_Stray	12	Esc_Stray	Either	0
TM	NIC	2014	Escapement	13	Esc	CA	0.837156
TM	NIC	2015	SEAK_T-N-S	1	AABM	US	0
TM	NIC	2015	NBC-WCVI_T	2	AABM	CA	0.005165
TM	NIC	2015	NBC-WCVI_S	3	AABM	CA	0.001937
TM	NIC	2015	ISBM-CA_T-N	4	ISBM	CA	0
TM	NIC	2015	ISBM-CA_S(inside)	5	ISBM	CA	0
TM	NIC	2015	Fraser_N	6	ISBM	CA	0.009038

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MortType	Stock	Year	Fishery	FisheryNum	FisheryType	FisheryCou	Prop_Mort
TM	NIC	2015	ISBM-CA_S(SOG)	7	ISBM	CA	0.007747
TM	NIC	2015	ISBM-CA_S(JdF)	8	ISBM	CA	0.026469
TM	NIC	2015	ISBM-SUS_T-N-S	9	ISBM	US	0.018722
TM	NIC	2015	ISBM-CA_N(freshwater)	10	ISBM	CA	0.100065
TM	NIC	2015	ISBM-CA_S(freshwater)	11	ISBM	CA	0
TM	NIC	2015	Esc_Stray	12	Esc_Stray	Either	0
TM	NIC	2015	Escapement	13	Esc	CA	0.830859
TM	NIC	2016	SEAK_T-N-S	1	AABM	US	0.002056
TM	NIC	2016	NBC-WCVI_T	2	AABM	CA	0.026722
TM	NIC	2016	NBC-WCVI_S	3	AABM	CA	0
TM	NIC	2016	ISBM-CA_T-N	4	ISBM	CA	0
TM	NIC	2016	ISBM-CA_S(inside)	5	ISBM	CA	0
TM	NIC	2016	Fraser_N	6	ISBM	CA	0.007194
TM	NIC	2016	ISBM-CA_S(SOG)	7	ISBM	CA	0.025694
TM	NIC	2016	ISBM-CA_S(JdF)	8	ISBM	CA	0.076053
TM	NIC	2016	ISBM-SUS_T-N-S	9	ISBM	US	0.010278
TM	NIC	2016	ISBM-CA_N(freshwater)	10	ISBM	CA	0.100719
TM	NIC	2016	ISBM-CA_S(freshwater)	11	ISBM	CA	0
TM	NIC	2016	Esc_Stray	12	Esc_Stray	Either	0
TM	NIC	2016	Escapement	13	Esc	CA	0.751285
TM	NIC	2017	SEAK_T-N-S	1	AABM	US	0
TM	NIC	2017	NBC-WCVI_T	2	AABM	CA	0.022099
TM	NIC	2017	NBC-WCVI_S	3	AABM	CA	0
TM	NIC	2017	ISBM-CA_T-N	4	ISBM	CA	0
TM	NIC	2017	ISBM-CA_S(inside)	5	ISBM	CA	0
TM	NIC	2017	Fraser_N	6	ISBM	CA	0.001842
TM	NIC	2017	ISBM-CA_S(SOG)	7	ISBM	CA	0.015654
TM	NIC	2017	ISBM-CA_S(JdF)	8	ISBM	CA	0.018416
TM	NIC	2017	ISBM-SUS_T-N-S	9	ISBM	US	0.018416
TM	NIC	2017	ISBM-CA_N(freshwater)	10	ISBM	CA	0.076427
TM	NIC	2017	ISBM-CA_S(freshwater)	11	ISBM	CA	0
TM	NIC	2017	Esc_Stray	12	Esc_Stray	Either	0
TM	NIC	2017	Escapement	13	Esc	CA	0.847145
TM	NIC	2018	SEAK_T-N-S	1	AABM	US	0
TM	NIC	2018	NBC-WCVI_T	2	AABM	CA	0.009793
TM	NIC	2018	NBC-WCVI_S	3	AABM	CA	0.003264
TM	NIC	2018	ISBM-CA_T-N	4	ISBM	CA	0
TM	NIC	2018	ISBM-CA_S(inside)	5	ISBM	CA	0
TM	NIC	2018	Fraser_N	6	ISBM	CA	0.01197
TM	NIC	2018	ISBM-CA_S(SOG)	7	ISBM	CA	0.01741
TM	NIC	2018	ISBM-CA_S(JdF)	8	ISBM	CA	0.032644
TM	NIC	2018	ISBM-SUS_T-N-S	9	ISBM	US	0.016322
TM	NIC	2018	ISBM-CA_N(freshwater)	10	ISBM	CA	0.170838
TM	NIC	2018	ISBM-CA_S(freshwater)	11	ISBM	CA	0
TM	NIC	2018	Esc_Stray	12	Esc_Stray	Either	0
TM	NIC	2018	Escapement	13	Esc	CA	0.737758

MortType	Stock	Year	Fishery	FisheryNun	FisheryTyp	FisheryCou	Prop_Mort
LC	SHU	2009	SEAK_T-N-S	1	AABM	US	0.084177
LC	SHU	2009	NBC-WCVI_T	2	AABM	CA	0.062658
LC	SHU	2009	NBC-WCVI_S	3	AABM	CA	0.049367
LC	SHU	2009	ISBM-CA_T-N	4	ISBM	CA	0
LC	SHU	2009	ISBM-CA_S(inside)	5	ISBM	CA	0.005063
LC	SHU	2009	Fraser_N	6	ISBM	CA	0
LC	SHU	2009	ISBM-CA_S(SOG)	7	ISBM	CA	0.043038
LC	SHU	2009	ISBM-CA_S(JdF)	8	ISBM	CA	0.041772
LC	SHU	2009	ISBM-SUS_T-N-S	9	ISBM	US	0.003165
LC	SHU	2009	ISBM-CA_N(freshwater)	10	ISBM	CA	0.106962
LC	SHU	2009	ISBM-CA_S(freshwater)	11	ISBM	CA	0.062025
LC	SHU	2009	Esc_Stray	12	Esc_Stray	Either	0.002532
LC	SHU	2009	Escapement	13	Esc	CA	0.539241
LC	SHU	2010	SEAK_T-N-S	1	AABM	US	0.095313
LC	SHU	2010	NBC-WCVI_T	2	AABM	CA	0.090574
LC	SHU	2010	NBC-WCVI_S	3	AABM	CA	0.031069
LC	SHU	2010	ISBM-CA_T-N	4	ISBM	CA	0
LC	SHU	2010	ISBM-CA_S(inside)	5	ISBM	CA	0.00316
LC	SHU	2010	Fraser_N	6	ISBM	CA	0
LC	SHU	2010	ISBM-CA_S(SOG)	7	ISBM	CA	0.067404
LC	SHU	2010	ISBM-CA_S(JdF)	8	ISBM	CA	0.022117
LC	SHU	2010	ISBM-SUS_T-N-S	9	ISBM	US	0.020537
LC	SHU	2010	ISBM-CA_N(freshwater)	10	ISBM	CA	0.100053
LC	SHU	2010	ISBM-CA_S(freshwater)	11	ISBM	CA	0.019484
LC	SHU	2010	Esc_Stray	12	Esc_Stray	Either	0.012638
LC	SHU	2010	Escapement	13	Esc	CA	0.537651
LC	SHU	2011	SEAK_T-N-S	1	AABM	US	0.086047
LC	SHU	2011	NBC-WCVI_T	2	AABM	CA	0.075
LC	SHU	2011	NBC-WCVI_S	3	AABM	CA	0.040116
LC	SHU	2011	ISBM-CA_T-N	4	ISBM	CA	0
LC	SHU	2011	ISBM-CA_S(inside)	5	ISBM	CA	0.002326
LC	SHU	2011	Fraser_N	6	ISBM	CA	0.009884
LC	SHU	2011	ISBM-CA_S(SOG)	7	ISBM	CA	0.038372
LC	SHU	2011	ISBM-CA_S(JdF)	8	ISBM	CA	0.036628
LC	SHU	2011	ISBM-SUS_T-N-S	9	ISBM	US	0.011047
LC	SHU	2011	ISBM-CA_N(freshwater)	10	ISBM	CA	0.1
LC	SHU	2011	ISBM-CA_S(freshwater)	11	ISBM	CA	0.02907
LC	SHU	2011	Esc_Stray	12	Esc_Stray	Either	0.000581
LC	SHU	2011	Escapement	13	Esc	CA	0.57093
LC	SHU	2012	SEAK_T-N-S	1	AABM	US	0.064441
LC	SHU	2012	NBC-WCVI_T	2	AABM	CA	0.072642
LC	SHU	2012	NBC-WCVI_S	3	AABM	CA	0.039836
LC	SHU	2012	ISBM-CA_T-N	4	ISBM	CA	0
LC	SHU	2012	ISBM-CA_S(inside)	5	ISBM	CA	0.008787
LC	SHU	2012	Fraser_N	6	ISBM	CA	0.004101
LC	SHU	2012	ISBM-CA_S(SOG)	7	ISBM	CA	0.049795

MortType	Stock	Year	Fishery	FisheryNum	FisheryType	FisheryCou	Prop_Mort
LC	SHU	2012	ISBM-CA_S(JdF)	8	ISBM	CA	0.041593
LC	SHU	2012	ISBM-SUS_T-N-S	9	ISBM	US	0.015231
LC	SHU	2012	ISBM-CA_N(freshwater)	10	ISBM	CA	0.050967
LC	SHU	2012	ISBM-CA_S(freshwater)	11	ISBM	CA	0.052138
LC	SHU	2012	Esc_Stray	12	Esc_Stray	Either	0
LC	SHU	2012	Escapement	13	Esc	CA	0.600469
LC	SHU	2013	SEAK_T-N-S	1	AABM	US	0.058164
LC	SHU	2013	NBC-WCVI_T	2	AABM	CA	0.060432
LC	SHU	2013	NBC-WCVI_S	3	AABM	CA	0.037887
LC	SHU	2013	ISBM-CA_T-N	4	ISBM	CA	0
LC	SHU	2013	ISBM-CA_S(inside)	5	ISBM	CA	0.004936
LC	SHU	2013	Fraser_N	6	ISBM	CA	0.006937
LC	SHU	2013	ISBM-CA_S(SOG)	7	ISBM	CA	0.042956
LC	SHU	2013	ISBM-CA_S(JdF)	8	ISBM	CA	0.051761
LC	SHU	2013	ISBM-SUS_T-N-S	9	ISBM	US	0.014274
LC	SHU	2013	ISBM-CA_N(freshwater)	10	ISBM	CA	0.027215
LC	SHU	2013	ISBM-CA_S(freshwater)	11	ISBM	CA	0.021078
LC	SHU	2013	Esc_Stray	12	Esc_Stray	Either	0.010005
LC	SHU	2013	Escapement	13	Esc	CA	0.664354
LC	SHU	2014	SEAK_T-N-S	1	AABM	US	0.107796
LC	SHU	2014	NBC-WCVI_T	2	AABM	CA	0.097155
LC	SHU	2014	NBC-WCVI_S	3	AABM	CA	0.037011
LC	SHU	2014	ISBM-CA_T-N	4	ISBM	CA	0.000694
LC	SHU	2014	ISBM-CA_S(inside)	5	ISBM	CA	0.003238
LC	SHU	2014	Fraser_N	6	ISBM	CA	0.012954
LC	SHU	2014	ISBM-CA_S(SOG)	7	ISBM	CA	0.028221
LC	SHU	2014	ISBM-CA_S(JdF)	8	ISBM	CA	0.022438
LC	SHU	2014	ISBM-SUS_T-N-S	9	ISBM	US	0.035161
LC	SHU	2014	ISBM-CA_N(freshwater)	10	ISBM	CA	0.086745
LC	SHU	2014	ISBM-CA_S(freshwater)	11	ISBM	CA	0.018043
LC	SHU	2014	Esc_Stray	12	Esc_Stray	Either	0.009715
LC	SHU	2014	Escapement	13	Esc	CA	0.540828
LC	SHU	2015	SEAK_T-N-S	1	AABM	US	0.061522
LC	SHU	2015	NBC-WCVI_T	2	AABM	CA	0.038165
LC	SHU	2015	NBC-WCVI_S	3	AABM	CA	0.022106
LC	SHU	2015	ISBM-CA_T-N	4	ISBM	CA	0
LC	SHU	2015	ISBM-CA_S(inside)	5	ISBM	CA	0.007508
LC	SHU	2015	Fraser_N	6	ISBM	CA	0.004797
LC	SHU	2015	ISBM-CA_S(SOG)	7	ISBM	CA	0.042127
LC	SHU	2015	ISBM-CA_S(JdF)	8	ISBM	CA	0.0317
LC	SHU	2015	ISBM-SUS_T-N-S	9	ISBM	US	0.042753
LC	SHU	2015	ISBM-CA_N(freshwater)	10	ISBM	CA	0.030657
LC	SHU	2015	ISBM-CA_S(freshwater)	11	ISBM	CA	0.029823
LC	SHU	2015	Esc_Stray	12	Esc_Stray	Either	0.01439
LC	SHU	2015	Escapement	13	Esc	CA	0.674453
LC	SHU	2016	SEAK_T-N-S	1	AABM	US	0.102449

MortType	Stock	Year	Fishery	FisheryNun	FisheryTyp	FisheryCou	Prop_Mort
LC	SHU	2016	NBC-WCVI_T	2	AABM	CA	0.098451
LC	SHU	2016	NBC-WCVI_S	3	AABM	CA	0.029985
LC	SHU	2016	ISBM-CA_T-N	4	ISBM	CA	0
LC	SHU	2016	ISBM-CA_S(inside)	5	ISBM	CA	0.004998
LC	SHU	2016	Fraser_N	6	ISBM	CA	0.003998
LC	SHU	2016	ISBM-CA_S(SOG)	7	ISBM	CA	0.047976
LC	SHU	2016	ISBM-CA_S(JdF)	8	ISBM	CA	0.005997
LC	SHU	2016	ISBM-SUS_T-N-S	9	ISBM	US	0.008496
LC	SHU	2016	ISBM-CA_N(freshwater)	10	ISBM	CA	0.027486
LC	SHU	2016	ISBM-CA_S(freshwater)	11	ISBM	CA	0.011994
LC	SHU	2016	Esc_Stray	12	Esc_Stray	Either	0
LC	SHU	2016	Escapement	13	Esc	CA	0.658171
LC	SHU	2017	SEAK_T-N-S	1	AABM	US	0.110403
LC	SHU	2017	NBC-WCVI_T	2	AABM	CA	0.081741
LC	SHU	2017	NBC-WCVI_S	3	AABM	CA	0.051309
LC	SHU	2017	ISBM-CA_T-N	4	ISBM	CA	0
LC	SHU	2017	ISBM-CA_S(inside)	5	ISBM	CA	0.005662
LC	SHU	2017	Fraser_N	6	ISBM	CA	0.002477
LC	SHU	2017	ISBM-CA_S(SOG)	7	ISBM	CA	0.072895
LC	SHU	2017	ISBM-CA_S(JdF)	8	ISBM	CA	0.026893
LC	SHU	2017	ISBM-SUS_T-N-S	9	ISBM	US	0.014508
LC	SHU	2017	ISBM-CA_N(freshwater)	10	ISBM	CA	0.029724
LC	SHU	2017	ISBM-CA_S(freshwater)	11	ISBM	CA	0.016985
LC	SHU	2017	Esc_Stray	12	Esc_Stray	Either	0.005308
LC	SHU	2017	Escapement	13	Esc	CA	0.582095
LC	SHU	2018	SEAK_T-N-S	1	AABM	US	0.042866
LC	SHU	2018	NBC-WCVI_T	2	AABM	CA	0.037823
LC	SHU	2018	NBC-WCVI_S	3	AABM	CA	0.035932
LC	SHU	2018	ISBM-CA_T-N	4	ISBM	CA	0
LC	SHU	2018	ISBM-CA_S(inside)	5	ISBM	CA	0.000841
LC	SHU	2018	Fraser_N	6	ISBM	CA	0.005673
LC	SHU	2018	ISBM-CA_S(SOG)	7	ISBM	CA	0.043497
LC	SHU	2018	ISBM-CA_S(JdF)	8	ISBM	CA	0.042026
LC	SHU	2018	ISBM-SUS_T-N-S	9	ISBM	US	0.010296
LC	SHU	2018	ISBM-CA_N(freshwater)	10	ISBM	CA	0.04938
LC	SHU	2018	ISBM-CA_S(freshwater)	11	ISBM	CA	0.028367
LC	SHU	2018	Esc_Stray	12	Esc_Stray	Either	0.003152
LC	SHU	2018	Escapement	13	Esc	CA	0.700147
TM	SHU	2009	SEAK_T-N-S	1	AABM	US	0.104672
TM	SHU	2009	NBC-WCVI_T	2	AABM	CA	0.072147
TM	SHU	2009	NBC-WCVI_S	3	AABM	CA	0.056771
TM	SHU	2009	ISBM-CA_T-N	4	ISBM	CA	0
TM	SHU	2009	ISBM-CA_S(inside)	5	ISBM	CA	0.005914
TM	SHU	2009	Fraser_N	6	ISBM	CA	0
TM	SHU	2009	ISBM-CA_S(SOG)	7	ISBM	CA	0.047309
TM	SHU	2009	ISBM-CA_S(JdF)	8	ISBM	CA	0.041396

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MortType	Stock	Year	Fishery	FisheryNun	FisheryTyp	FisheryCou	Prop_Mort
TM	SHU	2009	ISBM-SUS_T-N-S	9	ISBM	US	0.00414
TM	SHU	2009	ISBM-CA_N(freshwater)	10	ISBM	CA	0.099941
TM	SHU	2009	ISBM-CA_S(freshwater)	11	ISBM	CA	0.061502
TM	SHU	2009	Esc_Stray	12	Esc_Stray	Either	0.002365
TM	SHU	2009	Escapement	13	Esc	CA	0.503844
TM	SHU	2010	SEAK_T-N-S	1	AABM	US	0.11358
TM	SHU	2010	NBC-WCVI_T	2	AABM	CA	0.104691
TM	SHU	2010	NBC-WCVI_S	3	AABM	CA	0.036049
TM	SHU	2010	ISBM-CA_T-N	4	ISBM	CA	0
TM	SHU	2010	ISBM-CA_S(inside)	5	ISBM	CA	0.002963
TM	SHU	2010	Fraser_N	6	ISBM	CA	0
TM	SHU	2010	ISBM-CA_S(SOG)	7	ISBM	CA	0.072099
TM	SHU	2010	ISBM-CA_S(JdF)	8	ISBM	CA	0.022222
TM	SHU	2010	ISBM-SUS_T-N-S	9	ISBM	US	0.019259
TM	SHU	2010	ISBM-CA_N(freshwater)	10	ISBM	CA	0.093827
TM	SHU	2010	ISBM-CA_S(freshwater)	11	ISBM	CA	0.019259
TM	SHU	2010	Esc_Stray	12	Esc_Stray	Either	0.011852
TM	SHU	2010	Escapement	13	Esc	CA	0.504198
TM	SHU	2011	SEAK_T-N-S	1	AABM	US	0.099838
TM	SHU	2011	NBC-WCVI_T	2	AABM	CA	0.089045
TM	SHU	2011	NBC-WCVI_S	3	AABM	CA	0.050729
TM	SHU	2011	ISBM-CA_T-N	4	ISBM	CA	0
TM	SHU	2011	ISBM-CA_S(inside)	5	ISBM	CA	0.002698
TM	SHU	2011	Fraser_N	6	ISBM	CA	0.012412
TM	SHU	2011	ISBM-CA_S(SOG)	7	ISBM	CA	0.042094
TM	SHU	2011	ISBM-CA_S(JdF)	8	ISBM	CA	0.038316
TM	SHU	2011	ISBM-SUS_T-N-S	9	ISBM	US	0.012952
TM	SHU	2011	ISBM-CA_N(freshwater)	10	ISBM	CA	0.092823
TM	SHU	2011	ISBM-CA_S(freshwater)	11	ISBM	CA	0.028602
TM	SHU	2011	Esc_Stray	12	Esc_Stray	Either	0.00054
TM	SHU	2011	Escapement	13	Esc	CA	0.529951
TM	SHU	2012	SEAK_T-N-S	1	AABM	US	0.094233
TM	SHU	2012	NBC-WCVI_T	2	AABM	CA	0.085994
TM	SHU	2012	NBC-WCVI_S	3	AABM	CA	0.056128
TM	SHU	2012	ISBM-CA_T-N	4	ISBM	CA	0
TM	SHU	2012	ISBM-CA_S(inside)	5	ISBM	CA	0.010299
TM	SHU	2012	Fraser_N	6	ISBM	CA	0.003605
TM	SHU	2012	ISBM-CA_S(SOG)	7	ISBM	CA	0.056643
TM	SHU	2012	ISBM-CA_S(JdF)	8	ISBM	CA	0.040165
TM	SHU	2012	ISBM-SUS_T-N-S	9	ISBM	US	0.031411
TM	SHU	2012	ISBM-CA_N(freshwater)	10	ISBM	CA	0.044799
TM	SHU	2012	ISBM-CA_S(freshwater)	11	ISBM	CA	0.048919
TM	SHU	2012	Esc_Stray	12	Esc_Stray	Either	0
TM	SHU	2012	Escapement	13	Esc	CA	0.527806
TM	SHU	2013	SEAK_T-N-S	1	AABM	US	0.079626
TM	SHU	2013	NBC-WCVI_T	2	AABM	CA	0.077073

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MortType	Stock	Year	Fishery	FisheryNun	FisheryTyp	FisheryCou	Prop_Mort
TM	SHU	2013	NBC-WCVI_S	3	AABM	CA	0.044858
TM	SHU	2013	ISBM-CA_T-N	4	ISBM	CA	0.000122
TM	SHU	2013	ISBM-CA_S(inside)	5	ISBM	CA	0.005227
TM	SHU	2013	Fraser_N	6	ISBM	CA	0.016168
TM	SHU	2013	ISBM-CA_S(SOG)	7	ISBM	CA	0.050328
TM	SHU	2013	ISBM-CA_S(JdF)	8	ISBM	CA	0.050571
TM	SHU	2013	ISBM-SUS_T-N-S	9	ISBM	US	0.01629
TM	SHU	2013	ISBM-CA_N(freshwater)	10	ISBM	CA	0.024799
TM	SHU	2013	ISBM-CA_S(freshwater)	11	ISBM	CA	0.020423
TM	SHU	2013	Esc_Stray	12	Esc_Stray	Either	0.009117
TM	SHU	2013	Escapement	13	Esc	CA	0.605398
TM	SHU	2014	SEAK_T-N-S	1	AABM	US	0.12042
TM	SHU	2014	NBC-WCVI_T	2	AABM	CA	0.10435
TM	SHU	2014	NBC-WCVI_S	3	AABM	CA	0.042854
TM	SHU	2014	ISBM-CA_T-N	4	ISBM	CA	0.008999
TM	SHU	2014	ISBM-CA_S(inside)	5	ISBM	CA	0.003214
TM	SHU	2014	Fraser_N	6	ISBM	CA	0.021427
TM	SHU	2014	ISBM-CA_S(SOG)	7	ISBM	CA	0.029355
TM	SHU	2014	ISBM-CA_S(JdF)	8	ISBM	CA	0.022498
TM	SHU	2014	ISBM-SUS_T-N-S	9	ISBM	US	0.038783
TM	SHU	2014	ISBM-CA_N(freshwater)	10	ISBM	CA	0.080351
TM	SHU	2014	ISBM-CA_S(freshwater)	11	ISBM	CA	0.017784
TM	SHU	2014	Esc_Stray	12	Esc_Stray	Either	0.008999
TM	SHU	2014	Escapement	13	Esc	CA	0.500964
TM	SHU	2015	SEAK_T-N-S	1	AABM	US	0.071842
TM	SHU	2015	NBC-WCVI_T	2	AABM	CA	0.042507
TM	SHU	2015	NBC-WCVI_S	3	AABM	CA	0.02714
TM	SHU	2015	ISBM-CA_T-N	4	ISBM	CA	0
TM	SHU	2015	ISBM-CA_S(inside)	5	ISBM	CA	0.008182
TM	SHU	2015	Fraser_N	6	ISBM	CA	0.004989
TM	SHU	2015	ISBM-CA_S(SOG)	7	ISBM	CA	0.046298
TM	SHU	2015	ISBM-CA_S(JdF)	8	ISBM	CA	0.032329
TM	SHU	2015	ISBM-SUS_T-N-S	9	ISBM	US	0.047695
TM	SHU	2015	ISBM-CA_N(freshwater)	10	ISBM	CA	0.029336
TM	SHU	2015	ISBM-CA_S(freshwater)	11	ISBM	CA	0.030533
TM	SHU	2015	Esc_Stray	12	Esc_Stray	Either	0.01377
TM	SHU	2015	Escapement	13	Esc	CA	0.64538
TM	SHU	2016	SEAK_T-N-S	1	AABM	US	0.122316
TM	SHU	2016	NBC-WCVI_T	2	AABM	CA	0.109244
TM	SHU	2016	NBC-WCVI_S	3	AABM	CA	0.036881
TM	SHU	2016	ISBM-CA_T-N	4	ISBM	CA	0
TM	SHU	2016	ISBM-CA_S(inside)	5	ISBM	CA	0.005135
TM	SHU	2016	Fraser_N	6	ISBM	CA	0.003735
TM	SHU	2016	ISBM-CA_S(SOG)	7	ISBM	CA	0.054155
TM	SHU	2016	ISBM-CA_S(JdF)	8	ISBM	CA	0.006069
TM	SHU	2016	ISBM-SUS_T-N-S	9	ISBM	US	0.010271

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MortType	Stock	Year	Fishery	FisheryNum	FisheryType	FisheryCou	Prop_Mort
TM	SHU	2016	ISBM-CA_N(freshwater)	10	ISBM	CA	0.025677
TM	SHU	2016	ISBM-CA_S(freshwater)	11	ISBM	CA	0.011671
TM	SHU	2016	Esc_Stray	12	Esc_Stray	Either	0
TM	SHU	2016	Escapement	13	Esc	CA	0.614846
TM	SHU	2017	SEAK_T-N-S	1	AABM	US	0.137435
TM	SHU	2017	NBC-WCVI_T	2	AABM	CA	0.090314
TM	SHU	2017	NBC-WCVI_S	3	AABM	CA	0.056283
TM	SHU	2017	ISBM-CA_T-N	4	ISBM	CA	0
TM	SHU	2017	ISBM-CA_S(inside)	5	ISBM	CA	0.005563
TM	SHU	2017	Fraser_N	6	ISBM	CA	0.002291
TM	SHU	2017	ISBM-CA_S(SOG)	7	ISBM	CA	0.078861
TM	SHU	2017	ISBM-CA_S(JdF)	8	ISBM	CA	0.026505
TM	SHU	2017	ISBM-SUS_T-N-S	9	ISBM	US	0.01538
TM	SHU	2017	ISBM-CA_N(freshwater)	10	ISBM	CA	0.027487
TM	SHU	2017	ISBM-CA_S(freshwater)	11	ISBM	CA	0.016689
TM	SHU	2017	Esc_Stray	12	Esc_Stray	Either	0.004908
TM	SHU	2017	Escapement	13	Esc	CA	0.538285
TM	SHU	2018	SEAK_T-N-S	1	AABM	US	0.05575
TM	SHU	2018	NBC-WCVI_T	2	AABM	CA	0.043124
TM	SHU	2018	NBC-WCVI_S	3	AABM	CA	0.052059
TM	SHU	2018	ISBM-CA_T-N	4	ISBM	CA	0
TM	SHU	2018	ISBM-CA_S(inside)	5	ISBM	CA	0.001166
TM	SHU	2018	Fraser_N	6	ISBM	CA	0.013986
TM	SHU	2018	ISBM-CA_S(SOG)	7	ISBM	CA	0.051671
TM	SHU	2018	ISBM-CA_S(JdF)	8	ISBM	CA	0.043318
TM	SHU	2018	ISBM-SUS_T-N-S	9	ISBM	US	0.015152
TM	SHU	2018	ISBM-CA_N(freshwater)	10	ISBM	CA	0.045649
TM	SHU	2018	ISBM-CA_S(freshwater)	11	ISBM	CA	0.027972
TM	SHU	2018	Esc_Stray	12	Esc_Stray	Either	0.002914
TM	SHU	2018	Escapement	13	Esc	CA	0.647242

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MortType	Stock	Year	Fishery	FisheryNun	FisheryTyp	FisheryCou	Prop_Mort
LC	CHI	1979	SEAK_T-N-S	1	AABM	US	NA
LC	CHI	1979	NBC-WCVI_T	2	AABM	CA	NA
LC	CHI	1979	NBC-WCVI_S	3	AABM	CA	NA
LC	CHI	1979	ISBM-CA_T-N	4	ISBM	CA	NA
LC	CHI	1979	ISBM-CA_S(inside)	5	ISBM	CA	NA
LC	CHI	1979	Fraser_N	6	ISBM	CA	NA
LC	CHI	1979	ISBM-CA_S(SOG)	7	ISBM	CA	NA
LC	CHI	1979	ISBM-CA_S(JdF)	8	ISBM	CA	NA
LC	CHI	1979	ISBM-SUS_T-N-S	9	ISBM	US	NA
LC	CHI	1979	ISBM-CA_N(freshwater)	10	ISBM	CA	NA
LC	CHI	1979	ISBM-CA_S(freshwater)	11	ISBM	CA	NA
LC	CHI	1979	Esc_Stray	12	Esc_Stray	Either	NA
LC	CHI	1979	Escapement	13	Esc	CA	NA
LC	CHI	1980	SEAK_T-N-S	1	AABM	US	NA
LC	CHI	1980	NBC-WCVI_T	2	AABM	CA	NA
LC	CHI	1980	NBC-WCVI_S	3	AABM	CA	NA
LC	CHI	1980	ISBM-CA_T-N	4	ISBM	CA	NA
LC	CHI	1980	ISBM-CA_S(inside)	5	ISBM	CA	NA
LC	CHI	1980	Fraser_N	6	ISBM	CA	NA
LC	CHI	1980	ISBM-CA_S(SOG)	7	ISBM	CA	NA
LC	CHI	1980	ISBM-CA_S(JdF)	8	ISBM	CA	NA
LC	CHI	1980	ISBM-SUS_T-N-S	9	ISBM	US	NA
LC	CHI	1980	ISBM-CA_N(freshwater)	10	ISBM	CA	NA
LC	CHI	1980	ISBM-CA_S(freshwater)	11	ISBM	CA	NA
LC	CHI	1980	Esc_Stray	12	Esc_Stray	Either	NA
LC	CHI	1980	Escapement	13	Esc	CA	NA
LC	CHI	1981	SEAK_T-N-S	1	AABM	US	NA
LC	CHI	1981	NBC-WCVI_T	2	AABM	CA	NA
LC	CHI	1981	NBC-WCVI_S	3	AABM	CA	NA
LC	CHI	1981	ISBM-CA_T-N	4	ISBM	CA	NA
LC	CHI	1981	ISBM-CA_S(inside)	5	ISBM	CA	NA
LC	CHI	1981	Fraser_N	6	ISBM	CA	NA
LC	CHI	1981	ISBM-CA_S(SOG)	7	ISBM	CA	NA
LC	CHI	1981	ISBM-CA_S(JdF)	8	ISBM	CA	NA
LC	CHI	1981	ISBM-SUS_T-N-S	9	ISBM	US	NA
LC	CHI	1981	ISBM-CA_N(freshwater)	10	ISBM	CA	NA
LC	CHI	1981	ISBM-CA_S(freshwater)	11	ISBM	CA	NA
LC	CHI	1981	Esc_Stray	12	Esc_Stray	Either	NA
LC	CHI	1981	Escapement	13	Esc	CA	NA
LC	CHI	1982	SEAK_T-N-S	1	AABM	US	NA
LC	CHI	1982	NBC-WCVI_T	2	AABM	CA	NA
LC	CHI	1982	NBC-WCVI_S	3	AABM	CA	NA
LC	CHI	1982	ISBM-CA_T-N	4	ISBM	CA	NA
LC	CHI	1982	ISBM-CA_S(inside)	5	ISBM	CA	NA

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MortType	Stock	Year	Fishery	FisheryNun	FisheryType	FisheryCou	Prop_Mort
LC	CHI	1982	Fraser_N	6	ISBM	CA	NA
LC	CHI	1982	ISBM-CA_S(SOG)	7	ISBM	CA	NA
LC	CHI	1982	ISBM-CA_S(JdF)	8	ISBM	CA	NA
LC	CHI	1982	ISBM-SUS_T-N-S	9	ISBM	US	NA
LC	CHI	1982	ISBM-CA_N(freshwater)	10	ISBM	CA	NA
LC	CHI	1982	ISBM-CA_S(freshwater)	11	ISBM	CA	NA
LC	CHI	1982	Esc_Stray	12	Esc_Stray	Either	NA
LC	CHI	1982	Escapement	13	Esc	CA	NA
LC	CHI	1983	SEAK_T-N-S	1	AABM	US	NA
LC	CHI	1983	NBC-WCVI_T	2	AABM	CA	NA
LC	CHI	1983	NBC-WCVI_S	3	AABM	CA	NA
LC	CHI	1983	ISBM-CA_T-N	4	ISBM	CA	NA
LC	CHI	1983	ISBM-CA_S(inside)	5	ISBM	CA	NA
LC	CHI	1983	Fraser_N	6	ISBM	CA	NA
LC	CHI	1983	ISBM-CA_S(SOG)	7	ISBM	CA	NA
LC	CHI	1983	ISBM-CA_S(JdF)	8	ISBM	CA	NA
LC	CHI	1983	ISBM-SUS_T-N-S	9	ISBM	US	NA
LC	CHI	1983	ISBM-CA_N(freshwater)	10	ISBM	CA	NA
LC	CHI	1983	ISBM-CA_S(freshwater)	11	ISBM	CA	NA
LC	CHI	1983	Esc_Stray	12	Esc_Stray	Either	NA
LC	CHI	1983	Escapement	13	Esc	CA	NA
LC	CHI	1984	SEAK_T-N-S	1	AABM	US	0
LC	CHI	1984	NBC-WCVI_T	2	AABM	CA	0.26
LC	CHI	1984	NBC-WCVI_S	3	AABM	CA	0.000698
LC	CHI	1984	ISBM-CA_T-N	4	ISBM	CA	0.20186
LC	CHI	1984	ISBM-CA_S(inside)	5	ISBM	CA	0
LC	CHI	1984	Fraser_N	6	ISBM	CA	0.02814
LC	CHI	1984	ISBM-CA_S(SOG)	7	ISBM	CA	0.216744
LC	CHI	1984	ISBM-CA_S(JdF)	8	ISBM	CA	0.005814
LC	CHI	1984	ISBM-SUS_T-N-S	9	ISBM	US	0.050233
LC	CHI	1984	ISBM-CA_N(freshwater)	10	ISBM	CA	0
LC	CHI	1984	ISBM-CA_S(freshwater)	11	ISBM	CA	0.014186
LC	CHI	1984	Esc_Stray	12	Esc_Stray	Either	0.003488
LC	CHI	1984	Escapement	13	Esc	CA	0.218837
LC	CHI	1985	SEAK_T-N-S	1	AABM	US	0.005663
LC	CHI	1985	NBC-WCVI_T	2	AABM	CA	0.328457
LC	CHI	1985	NBC-WCVI_S	3	AABM	CA	0
LC	CHI	1985	ISBM-CA_T-N	4	ISBM	CA	0.117036
LC	CHI	1985	ISBM-CA_S(inside)	5	ISBM	CA	0
LC	CHI	1985	Fraser_N	6	ISBM	CA	0.020765
LC	CHI	1985	ISBM-CA_S(SOG)	7	ISBM	CA	0.209533
LC	CHI	1985	ISBM-CA_S(JdF)	8	ISBM	CA	0.004719
LC	CHI	1985	ISBM-SUS_T-N-S	9	ISBM	US	0.112317
LC	CHI	1985	ISBM-CA_N(freshwater)	10	ISBM	CA	0
LC	CHI	1985	ISBM-CA_S(freshwater)	11	ISBM	CA	0.010382
LC	CHI	1985	Esc_Stray	12	Esc_Stray	Either	0.052855

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MortType	Stock	Year	Fishery	FisheryNun	FisheryTyp	FisheryCou	Prop_Mort
LC	CHI	1985	Escapement	13	Esc	CA	0.138273
LC	CHI	1986	SEAK_T-N-S	1	AABM	US	0
LC	CHI	1986	NBC-WCVI_T	2	AABM	CA	0.199137
LC	CHI	1986	NBC-WCVI_S	3	AABM	CA	0
LC	CHI	1986	ISBM-CA_T-N	4	ISBM	CA	0.167836
LC	CHI	1986	ISBM-CA_S(inside)	5	ISBM	CA	0
LC	CHI	1986	Fraser_N	6	ISBM	CA	0.076633
LC	CHI	1986	ISBM-CA_S(SOG)	7	ISBM	CA	0.188343
LC	CHI	1986	ISBM-CA_S(JdF)	8	ISBM	CA	0
LC	CHI	1986	ISBM-SUS_T-N-S	9	ISBM	US	0.124123
LC	CHI	1986	ISBM-CA_N(freshwater)	10	ISBM	CA	0
LC	CHI	1986	ISBM-CA_S(freshwater)	11	ISBM	CA	0.013492
LC	CHI	1986	Esc_Stray	12	Esc_Stray	Either	0.012952
LC	CHI	1986	Escapement	13	Esc	CA	0.217485
LC	CHI	1987	SEAK_T-N-S	1	AABM	US	0.000411
LC	CHI	1987	NBC-WCVI_T	2	AABM	CA	0.164885
LC	CHI	1987	NBC-WCVI_S	3	AABM	CA	0.005345
LC	CHI	1987	ISBM-CA_T-N	4	ISBM	CA	0.158717
LC	CHI	1987	ISBM-CA_S(inside)	5	ISBM	CA	0
LC	CHI	1987	Fraser_N	6	ISBM	CA	0.019326
LC	CHI	1987	ISBM-CA_S(SOG)	7	ISBM	CA	0.191612
LC	CHI	1987	ISBM-CA_S(JdF)	8	ISBM	CA	0
LC	CHI	1987	ISBM-SUS_T-N-S	9	ISBM	US	0.099918
LC	CHI	1987	ISBM-CA_N(freshwater)	10	ISBM	CA	0
LC	CHI	1987	ISBM-CA_S(freshwater)	11	ISBM	CA	0.012336
LC	CHI	1987	Esc_Stray	12	Esc_Stray	Either	0.021382
LC	CHI	1987	Escapement	13	Esc	CA	0.326069
LC	CHI	1988	SEAK_T-N-S	1	AABM	US	0.004852
LC	CHI	1988	NBC-WCVI_T	2	AABM	CA	0.172475
LC	CHI	1988	NBC-WCVI_S	3	AABM	CA	0
LC	CHI	1988	ISBM-CA_T-N	4	ISBM	CA	0.069696
LC	CHI	1988	ISBM-CA_S(inside)	5	ISBM	CA	0
LC	CHI	1988	Fraser_N	6	ISBM	CA	0.032642
LC	CHI	1988	ISBM-CA_S(SOG)	7	ISBM	CA	0.104102
LC	CHI	1988	ISBM-CA_S(JdF)	8	ISBM	CA	0
LC	CHI	1988	ISBM-SUS_T-N-S	9	ISBM	US	0.086017
LC	CHI	1988	ISBM-CA_N(freshwater)	10	ISBM	CA	0
LC	CHI	1988	ISBM-CA_S(freshwater)	11	ISBM	CA	0.024702
LC	CHI	1988	Esc_Stray	12	Esc_Stray	Either	0.024702
LC	CHI	1988	Escapement	13	Esc	CA	0.480812
LC	CHI	1989	SEAK_T-N-S	1	AABM	US	0.002825
LC	CHI	1989	NBC-WCVI_T	2	AABM	CA	0.189266
LC	CHI	1989	NBC-WCVI_S	3	AABM	CA	0
LC	CHI	1989	ISBM-CA_T-N	4	ISBM	CA	0.042373
LC	CHI	1989	ISBM-CA_S(inside)	5	ISBM	CA	0
LC	CHI	1989	Fraser_N	6	ISBM	CA	0.014124

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MortType	Stock	Year	Fishery	FisheryNun	FisheryTyp	FisheryCou	Prop_Mort
LC	CHI	1989	ISBM-CA_S(SOG)	7	ISBM	CA	0.141243
LC	CHI	1989	ISBM-CA_S(JdF)	8	ISBM	CA	0.00565
LC	CHI	1989	ISBM-SUS_T-N-S	9	ISBM	US	0.101695
LC	CHI	1989	ISBM-CA_N(freshwater)	10	ISBM	CA	0
LC	CHI	1989	ISBM-CA_S(freshwater)	11	ISBM	CA	0.006591
LC	CHI	1989	Esc_Stray	12	Esc_Stray	Either	0.025424
LC	CHI	1989	Escapement	13	Esc	CA	0.47081
LC	CHI	1990	SEAK_T-N-S	1	AABM	US	0.008006
LC	CHI	1990	NBC-WCVI_T	2	AABM	CA	0.088792
LC	CHI	1990	NBC-WCVI_S	3	AABM	CA	0.022562
LC	CHI	1990	ISBM-CA_T-N	4	ISBM	CA	0.070597
LC	CHI	1990	ISBM-CA_S(inside)	5	ISBM	CA	0
LC	CHI	1990	Fraser_N	6	ISBM	CA	0
LC	CHI	1990	ISBM-CA_S(SOG)	7	ISBM	CA	0.098253
LC	CHI	1990	ISBM-CA_S(JdF)	8	ISBM	CA	0.004367
LC	CHI	1990	ISBM-SUS_T-N-S	9	ISBM	US	0.224163
LC	CHI	1990	ISBM-CA_N(freshwater)	10	ISBM	CA	0.022562
LC	CHI	1990	ISBM-CA_S(freshwater)	11	ISBM	CA	0.0131
LC	CHI	1990	Esc_Stray	12	Esc_Stray	Either	0.05313
LC	CHI	1990	Escapement	13	Esc	CA	0.394469
LC	CHI	1991	SEAK_T-N-S	1	AABM	US	0.00316
LC	CHI	1991	NBC-WCVI_T	2	AABM	CA	0.182859
LC	CHI	1991	NBC-WCVI_S	3	AABM	CA	0.005134
LC	CHI	1991	ISBM-CA_T-N	4	ISBM	CA	0.10782
LC	CHI	1991	ISBM-CA_S(inside)	5	ISBM	CA	0.001975
LC	CHI	1991	Fraser_N	6	ISBM	CA	0
LC	CHI	1991	ISBM-CA_S(SOG)	7	ISBM	CA	0.118483
LC	CHI	1991	ISBM-CA_S(JdF)	8	ISBM	CA	0.004739
LC	CHI	1991	ISBM-SUS_T-N-S	9	ISBM	US	0.229068
LC	CHI	1991	ISBM-CA_N(freshwater)	10	ISBM	CA	0.029621
LC	CHI	1991	ISBM-CA_S(freshwater)	11	ISBM	CA	0.016983
LC	CHI	1991	Esc_Stray	12	Esc_Stray	Either	0.011848
LC	CHI	1991	Escapement	13	Esc	CA	0.28831
LC	CHI	1992	SEAK_T-N-S	1	AABM	US	0.003165
LC	CHI	1992	NBC-WCVI_T	2	AABM	CA	0.177743
LC	CHI	1992	NBC-WCVI_S	3	AABM	CA	0.001319
LC	CHI	1992	ISBM-CA_T-N	4	ISBM	CA	0.069357
LC	CHI	1992	ISBM-CA_S(inside)	5	ISBM	CA	0
LC	CHI	1992	Fraser_N	6	ISBM	CA	0
LC	CHI	1992	ISBM-CA_S(SOG)	7	ISBM	CA	0.090717
LC	CHI	1992	ISBM-CA_S(JdF)	8	ISBM	CA	0.004483
LC	CHI	1992	ISBM-SUS_T-N-S	9	ISBM	US	0.12289
LC	CHI	1992	ISBM-CA_N(freshwater)	10	ISBM	CA	0.005538
LC	CHI	1992	ISBM-CA_S(freshwater)	11	ISBM	CA	0.011867
LC	CHI	1992	Esc_Stray	12	Esc_Stray	Either	0.016614
LC	CHI	1992	Escapement	13	Esc	CA	0.496308

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MortType	Stock	Year	Fishery	FisheryNun	FisheryTyp	FisheryCou	Prop_Mort
LC	CHI	1993	SEAK_T-N-S	1	AABM	US	0.001588
LC	CHI	1993	NBC-WCVI_T	2	AABM	CA	0.115934
LC	CHI	1993	NBC-WCVI_S	3	AABM	CA	0.003706
LC	CHI	1993	ISBM-CA_T-N	4	ISBM	CA	0.065114
LC	CHI	1993	ISBM-CA_S(inside)	5	ISBM	CA	0
LC	CHI	1993	Fraser_N	6	ISBM	CA	0
LC	CHI	1993	ISBM-CA_S(SOG)	7	ISBM	CA	0.062996
LC	CHI	1993	ISBM-CA_S(JdF)	8	ISBM	CA	0.001588
LC	CHI	1993	ISBM-SUS_T-N-S	9	ISBM	US	0.077819
LC	CHI	1993	ISBM-CA_N(freshwater)	10	ISBM	CA	0.013764
LC	CHI	1993	ISBM-CA_S(freshwater)	11	ISBM	CA	0.019587
LC	CHI	1993	Esc_Stray	12	Esc_Stray	Either	0.022234
LC	CHI	1993	Escapement	13	Esc	CA	0.61567
LC	CHI	1994	SEAK_T-N-S	1	AABM	US	0.004823
LC	CHI	1994	NBC-WCVI_T	2	AABM	CA	0.073955
LC	CHI	1994	NBC-WCVI_S	3	AABM	CA	0
LC	CHI	1994	ISBM-CA_T-N	4	ISBM	CA	0.081994
LC	CHI	1994	ISBM-CA_S(inside)	5	ISBM	CA	0.024116
LC	CHI	1994	Fraser_N	6	ISBM	CA	0
LC	CHI	1994	ISBM-CA_S(SOG)	7	ISBM	CA	0.038585
LC	CHI	1994	ISBM-CA_S(JdF)	8	ISBM	CA	0.004823
LC	CHI	1994	ISBM-SUS_T-N-S	9	ISBM	US	0.090032
LC	CHI	1994	ISBM-CA_N(freshwater)	10	ISBM	CA	0.017685
LC	CHI	1994	ISBM-CA_S(freshwater)	11	ISBM	CA	0.062701
LC	CHI	1994	Esc_Stray	12	Esc_Stray	Either	0
LC	CHI	1994	Escapement	13	Esc	CA	0.601286
LC	CHI	1995	SEAK_T-N-S	1	AABM	US	0
LC	CHI	1995	NBC-WCVI_T	2	AABM	CA	0.086673
LC	CHI	1995	NBC-WCVI_S	3	AABM	CA	0.004509
LC	CHI	1995	ISBM-CA_T-N	4	ISBM	CA	0.007014
LC	CHI	1995	ISBM-CA_S(inside)	5	ISBM	CA	0
LC	CHI	1995	Fraser_N	6	ISBM	CA	0
LC	CHI	1995	ISBM-CA_S(SOG)	7	ISBM	CA	0.054609
LC	CHI	1995	ISBM-CA_S(JdF)	8	ISBM	CA	0
LC	CHI	1995	ISBM-SUS_T-N-S	9	ISBM	US	0.039078
LC	CHI	1995	ISBM-CA_N(freshwater)	10	ISBM	CA	0.020541
LC	CHI	1995	ISBM-CA_S(freshwater)	11	ISBM	CA	0.010521
LC	CHI	1995	Esc_Stray	12	Esc_Stray	Either	0.000501
LC	CHI	1995	Escapement	13	Esc	CA	0.776553
LC	CHI	1996	SEAK_T-N-S	1	AABM	US	0.002028
LC	CHI	1996	NBC-WCVI_T	2	AABM	CA	0
LC	CHI	1996	NBC-WCVI_S	3	AABM	CA	0.004057
LC	CHI	1996	ISBM-CA_T-N	4	ISBM	CA	0.010142
LC	CHI	1996	ISBM-CA_S(inside)	5	ISBM	CA	0
LC	CHI	1996	Fraser_N	6	ISBM	CA	0
LC	CHI	1996	ISBM-CA_S(SOG)	7	ISBM	CA	0.117647

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MortType	Stock	Year	Fishery	FisheryNun	FisheryTyp	FisheryCou	Prop_Mort
LC	CHI	1996	ISBM-CA_S(JdF)	8	ISBM	CA	0.013523
LC	CHI	1996	ISBM-SUS_T-N-S	9	ISBM	US	0.084517
LC	CHI	1996	ISBM-CA_N(freshwater)	10	ISBM	CA	0.010142
LC	CHI	1996	ISBM-CA_S(freshwater)	11	ISBM	CA	0.024341
LC	CHI	1996	Esc_Stray	12	Esc_Stray	Either	0.000676
LC	CHI	1996	Escapement	13	Esc	CA	0.732928
LC	CHI	1997	SEAK_T-N-S	1	AABM	US	0.005097
LC	CHI	1997	NBC-WCVI_T	2	AABM	CA	0.102873
LC	CHI	1997	NBC-WCVI_S	3	AABM	CA	0.008804
LC	CHI	1997	ISBM-CA_T-N	4	ISBM	CA	0.011121
LC	CHI	1997	ISBM-CA_S(inside)	5	ISBM	CA	0.011121
LC	CHI	1997	Fraser_N	6	ISBM	CA	0
LC	CHI	1997	ISBM-CA_S(SOG)	7	ISBM	CA	0.121409
LC	CHI	1997	ISBM-CA_S(JdF)	8	ISBM	CA	0.00139
LC	CHI	1997	ISBM-SUS_T-N-S	9	ISBM	US	0.105653
LC	CHI	1997	ISBM-CA_N(freshwater)	10	ISBM	CA	0.02873
LC	CHI	1997	ISBM-CA_S(freshwater)	11	ISBM	CA	0.026413
LC	CHI	1997	Esc_Stray	12	Esc_Stray	Either	0
LC	CHI	1997	Escapement	13	Esc	CA	0.577386
LC	CHI	1998	SEAK_T-N-S	1	AABM	US	0.004492
LC	CHI	1998	NBC-WCVI_T	2	AABM	CA	0.002246
LC	CHI	1998	NBC-WCVI_S	3	AABM	CA	0
LC	CHI	1998	ISBM-CA_T-N	4	ISBM	CA	0
LC	CHI	1998	ISBM-CA_S(inside)	5	ISBM	CA	0.004492
LC	CHI	1998	Fraser_N	6	ISBM	CA	0
LC	CHI	1998	ISBM-CA_S(SOG)	7	ISBM	CA	0.024703
LC	CHI	1998	ISBM-CA_S(JdF)	8	ISBM	CA	0.002567
LC	CHI	1998	ISBM-SUS_T-N-S	9	ISBM	US	0.036894
LC	CHI	1998	ISBM-CA_N(freshwater)	10	ISBM	CA	0.001604
LC	CHI	1998	ISBM-CA_S(freshwater)	11	ISBM	CA	0.01187
LC	CHI	1998	Esc_Stray	12	Esc_Stray	Either	0.004812
LC	CHI	1998	Escapement	13	Esc	CA	0.90632
LC	CHI	1999	SEAK_T-N-S	1	AABM	US	0.000945
LC	CHI	1999	NBC-WCVI_T	2	AABM	CA	0.005043
LC	CHI	1999	NBC-WCVI_S	3	AABM	CA	0.013867
LC	CHI	1999	ISBM-CA_T-N	4	ISBM	CA	0
LC	CHI	1999	ISBM-CA_S(inside)	5	ISBM	CA	0.004412
LC	CHI	1999	Fraser_N	6	ISBM	CA	0
LC	CHI	1999	ISBM-CA_S(SOG)	7	ISBM	CA	0.083517
LC	CHI	1999	ISBM-CA_S(JdF)	8	ISBM	CA	0.002836
LC	CHI	1999	ISBM-SUS_T-N-S	9	ISBM	US	0.130161
LC	CHI	1999	ISBM-CA_N(freshwater)	10	ISBM	CA	0.004412
LC	CHI	1999	ISBM-CA_S(freshwater)	11	ISBM	CA	0.015758
LC	CHI	1999	Esc_Stray	12	Esc_Stray	Either	0.003152
LC	CHI	1999	Escapement	13	Esc	CA	0.735897
LC	CHI	2000	SEAK_T-N-S	1	AABM	US	0.000865

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MortType	Stock	Year	Fishery	FisheryNun	FisheryTyp	FisheryCou	Prop_Mort
LC	CHI	2000	NBC-WCVI_T	2	AABM	CA	0.040657
LC	CHI	2000	NBC-WCVI_S	3	AABM	CA	0.016148
LC	CHI	2000	ISBM-CA_T-N	4	ISBM	CA	0
LC	CHI	2000	ISBM-CA_S(inside)	5	ISBM	CA	0.004037
LC	CHI	2000	Fraser_N	6	ISBM	CA	0
LC	CHI	2000	ISBM-CA_S(SOG)	7	ISBM	CA	0.022491
LC	CHI	2000	ISBM-CA_S(JdF)	8	ISBM	CA	0.002018
LC	CHI	2000	ISBM-SUS_T-N-S	9	ISBM	US	0.035467
LC	CHI	2000	ISBM-CA_N(freshwater)	10	ISBM	CA	0
LC	CHI	2000	ISBM-CA_S(freshwater)	11	ISBM	CA	0.017589
LC	CHI	2000	Esc_Stray	12	Esc_Stray	Either	0.000288
LC	CHI	2000	Escapement	13	Esc	CA	0.860438
LC	CHI	2001	SEAK_T-N-S	1	AABM	US	0.00132
LC	CHI	2001	NBC-WCVI_T	2	AABM	CA	0.04553
LC	CHI	2001	NBC-WCVI_S	3	AABM	CA	0.017816
LC	CHI	2001	ISBM-CA_T-N	4	ISBM	CA	0
LC	CHI	2001	ISBM-CA_S(inside)	5	ISBM	CA	0.00165
LC	CHI	2001	Fraser_N	6	ISBM	CA	0
LC	CHI	2001	ISBM-CA_S(SOG)	7	ISBM	CA	0.066315
LC	CHI	2001	ISBM-CA_S(JdF)	8	ISBM	CA	0.002639
LC	CHI	2001	ISBM-SUS_T-N-S	9	ISBM	US	0.110525
LC	CHI	2001	ISBM-CA_N(freshwater)	10	ISBM	CA	0.002639
LC	CHI	2001	ISBM-CA_S(freshwater)	11	ISBM	CA	0.166612
LC	CHI	2001	Esc_Stray	12	Esc_Stray	Either	0.00033
LC	CHI	2001	Escapement	13	Esc	CA	0.584626
LC	CHI	2002	SEAK_T-N-S	1	AABM	US	0.00248
LC	CHI	2002	NBC-WCVI_T	2	AABM	CA	0.080802
LC	CHI	2002	NBC-WCVI_S	3	AABM	CA	0.038438
LC	CHI	2002	ISBM-CA_T-N	4	ISBM	CA	0.00062
LC	CHI	2002	ISBM-CA_S(inside)	5	ISBM	CA	0.007026
LC	CHI	2002	Fraser_N	6	ISBM	CA	0
LC	CHI	2002	ISBM-CA_S(SOG)	7	ISBM	CA	0.028932
LC	CHI	2002	ISBM-CA_S(JdF)	8	ISBM	CA	0.001653
LC	CHI	2002	ISBM-SUS_T-N-S	9	ISBM	US	0.095681
LC	CHI	2002	ISBM-CA_N(freshwater)	10	ISBM	CA	0.005993
LC	CHI	2002	ISBM-CA_S(freshwater)	11	ISBM	CA	0.05187
LC	CHI	2002	Esc_Stray	12	Esc_Stray	Either	0
LC	CHI	2002	Escapement	13	Esc	CA	0.686505
LC	CHI	2003	SEAK_T-N-S	1	AABM	US	0.001472
LC	CHI	2003	NBC-WCVI_T	2	AABM	CA	0.051924
LC	CHI	2003	NBC-WCVI_S	3	AABM	CA	0.017868
LC	CHI	2003	ISBM-CA_T-N	4	ISBM	CA	0
LC	CHI	2003	ISBM-CA_S(inside)	5	ISBM	CA	0.005466
LC	CHI	2003	Fraser_N	6	ISBM	CA	0
LC	CHI	2003	ISBM-CA_S(SOG)	7	ISBM	CA	0.01976
LC	CHI	2003	ISBM-CA_S(JdF)	8	ISBM	CA	0.004415

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MortType	Stock	Year	Fishery	FisheryNun	FisheryTyp	FisheryCou	Prop_Mort
LC	CHI	2003	ISBM-SUS_T-N-S	9	ISBM	US	0.085138
LC	CHI	2003	ISBM-CA_N(freshwater)	10	ISBM	CA	0.002943
LC	CHI	2003	ISBM-CA_S(freshwater)	11	ISBM	CA	0.058861
LC	CHI	2003	Esc_Stray	12	Esc_Stray	Either	0.05865
LC	CHI	2003	Escapement	13	Esc	CA	0.693504
LC	CHI	2004	SEAK_T-N-S	1	AABM	US	0.001349
LC	CHI	2004	NBC-WCVI_T	2	AABM	CA	0.051693
LC	CHI	2004	NBC-WCVI_S	3	AABM	CA	0.019778
LC	CHI	2004	ISBM-CA_T-N	4	ISBM	CA	0
LC	CHI	2004	ISBM-CA_S(inside)	5	ISBM	CA	0
LC	CHI	2004	Fraser_N	6	ISBM	CA	0
LC	CHI	2004	ISBM-CA_S(SOG)	7	ISBM	CA	0.015283
LC	CHI	2004	ISBM-CA_S(JdF)	8	ISBM	CA	0.002697
LC	CHI	2004	ISBM-SUS_T-N-S	9	ISBM	US	0.068924
LC	CHI	2004	ISBM-CA_N(freshwater)	10	ISBM	CA	0.006743
LC	CHI	2004	ISBM-CA_S(freshwater)	11	ISBM	CA	0.044651
LC	CHI	2004	Esc_Stray	12	Esc_Stray	Either	0.003746
LC	CHI	2004	Escapement	13	Esc	CA	0.785136
LC	CHI	2005	SEAK_T-N-S	1	AABM	US	0.00024
LC	CHI	2005	NBC-WCVI_T	2	AABM	CA	0.070213
LC	CHI	2005	NBC-WCVI_S	3	AABM	CA	0.02612
LC	CHI	2005	ISBM-CA_T-N	4	ISBM	CA	0.000719
LC	CHI	2005	ISBM-CA_S(inside)	5	ISBM	CA	0.01318
LC	CHI	2005	Fraser_N	6	ISBM	CA	0
LC	CHI	2005	ISBM-CA_S(SOG)	7	ISBM	CA	0.015576
LC	CHI	2005	ISBM-CA_S(JdF)	8	ISBM	CA	0.01294
LC	CHI	2005	ISBM-SUS_T-N-S	9	ISBM	US	0.051761
LC	CHI	2005	ISBM-CA_N(freshwater)	10	ISBM	CA	0.03283
LC	CHI	2005	ISBM-CA_S(freshwater)	11	ISBM	CA	0.053918
LC	CHI	2005	Esc_Stray	12	Esc_Stray	Either	0
LC	CHI	2005	Escapement	13	Esc	CA	0.722502
LC	CHI	2006	SEAK_T-N-S	1	AABM	US	0
LC	CHI	2006	NBC-WCVI_T	2	AABM	CA	0.080718
LC	CHI	2006	NBC-WCVI_S	3	AABM	CA	0.019432
LC	CHI	2006	ISBM-CA_T-N	4	ISBM	CA	0
LC	CHI	2006	ISBM-CA_S(inside)	5	ISBM	CA	0.000747
LC	CHI	2006	Fraser_N	6	ISBM	CA	0
LC	CHI	2006	ISBM-CA_S(SOG)	7	ISBM	CA	0.010463
LC	CHI	2006	ISBM-CA_S(JdF)	8	ISBM	CA	0.01009
LC	CHI	2006	ISBM-SUS_T-N-S	9	ISBM	US	0.041854
LC	CHI	2006	ISBM-CA_N(freshwater)	10	ISBM	CA	0.006353
LC	CHI	2006	ISBM-CA_S(freshwater)	11	ISBM	CA	0.046712
LC	CHI	2006	Esc_Stray	12	Esc_Stray	Either	0.01009
LC	CHI	2006	Escapement	13	Esc	CA	0.773543
LC	CHI	2007	SEAK_T-N-S	1	AABM	US	0
LC	CHI	2007	NBC-WCVI_T	2	AABM	CA	0.054865

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MortType	Stock	Year	Fishery	FisheryNun	FisheryTyp	FisheryCou	Prop_Mort
LC	CHI	2007	NBC-WCVI_S	3	AABM	CA	0.020146
LC	CHI	2007	ISBM-CA_T-N	4	ISBM	CA	0
LC	CHI	2007	ISBM-CA_S(inside)	5	ISBM	CA	0
LC	CHI	2007	Fraser_N	6	ISBM	CA	0
LC	CHI	2007	ISBM-CA_S(SOG)	7	ISBM	CA	0.006001
LC	CHI	2007	ISBM-CA_S(JdF)	8	ISBM	CA	0
LC	CHI	2007	ISBM-SUS_T-N-S	9	ISBM	US	0.026575
LC	CHI	2007	ISBM-CA_N(freshwater)	10	ISBM	CA	0.020146
LC	CHI	2007	ISBM-CA_S(freshwater)	11	ISBM	CA	0.04715
LC	CHI	2007	Esc_Stray	12	Esc_Stray	Either	0.001286
LC	CHI	2007	Escapement	13	Esc	CA	0.823832
LC	CHI	2008	SEAK_T-N-S	1	AABM	US	0.002188
LC	CHI	2008	NBC-WCVI_T	2	AABM	CA	0.108315
LC	CHI	2008	NBC-WCVI_S	3	AABM	CA	0.035011
LC	CHI	2008	ISBM-CA_T-N	4	ISBM	CA	0.000729
LC	CHI	2008	ISBM-CA_S(inside)	5	ISBM	CA	0.009482
LC	CHI	2008	Fraser_N	6	ISBM	CA	0
LC	CHI	2008	ISBM-CA_S(SOG)	7	ISBM	CA	0.016047
LC	CHI	2008	ISBM-CA_S(JdF)	8	ISBM	CA	0
LC	CHI	2008	ISBM-SUS_T-N-S	9	ISBM	US	0.078775
LC	CHI	2008	ISBM-CA_N(freshwater)	10	ISBM	CA	0.009847
LC	CHI	2008	ISBM-CA_S(freshwater)	11	ISBM	CA	0.093363
LC	CHI	2008	Esc_Stray	12	Esc_Stray	Either	0.0062
LC	CHI	2008	Escapement	13	Esc	CA	0.640044
LC	CHI	2009	SEAK_T-N-S	1	AABM	US	0
LC	CHI	2009	NBC-WCVI_T	2	AABM	CA	0.015011
LC	CHI	2009	NBC-WCVI_S	3	AABM	CA	0.020014
LC	CHI	2009	ISBM-CA_T-N	4	ISBM	CA	0
LC	CHI	2009	ISBM-CA_S(inside)	5	ISBM	CA	0.007505
LC	CHI	2009	Fraser_N	6	ISBM	CA	0
LC	CHI	2009	ISBM-CA_S(SOG)	7	ISBM	CA	0.012866
LC	CHI	2009	ISBM-CA_S(JdF)	8	ISBM	CA	0.007505
LC	CHI	2009	ISBM-SUS_T-N-S	9	ISBM	US	0.027877
LC	CHI	2009	ISBM-CA_N(freshwater)	10	ISBM	CA	0.035382
LC	CHI	2009	ISBM-CA_S(freshwater)	11	ISBM	CA	0.139385
LC	CHI	2009	Esc_Stray	12	Esc_Stray	Either	0.013581
LC	CHI	2009	Escapement	13	Esc	CA	0.720872
LC	CHI	2010	SEAK_T-N-S	1	AABM	US	0.001635
LC	CHI	2010	NBC-WCVI_T	2	AABM	CA	0.025989
LC	CHI	2010	NBC-WCVI_S	3	AABM	CA	0.019941
LC	CHI	2010	ISBM-CA_T-N	4	ISBM	CA	0
LC	CHI	2010	ISBM-CA_S(inside)	5	ISBM	CA	0.001798
LC	CHI	2010	Fraser_N	6	ISBM	CA	0.000327
LC	CHI	2010	ISBM-CA_S(SOG)	7	ISBM	CA	0.029912
LC	CHI	2010	ISBM-CA_S(JdF)	8	ISBM	CA	0.014874
LC	CHI	2010	ISBM-SUS_T-N-S	9	ISBM	US	0.055574

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MortType	Stock	Year	Fishery	FisheryNun	FisheryType	FisheryCou	Prop_Mort
LC	CHI	2010	ISBM-CA_N(freshwater)	10	ISBM	CA	0.015038
LC	CHI	2010	ISBM-CA_S(freshwater)	11	ISBM	CA	0.06015
LC	CHI	2010	Esc_Stray	12	Esc_Stray	Either	0.006211
LC	CHI	2010	Escapement	13	Esc	CA	0.768552
LC	CHI	2011	SEAK_T-N-S	1	AABM	US	0
LC	CHI	2011	NBC-WCVI_T	2	AABM	CA	0.035922
LC	CHI	2011	NBC-WCVI_S	3	AABM	CA	0.020778
LC	CHI	2011	ISBM-CA_T-N	4	ISBM	CA	0.000352
LC	CHI	2011	ISBM-CA_S(inside)	5	ISBM	CA	0.005811
LC	CHI	2011	Fraser_N	6	ISBM	CA	0.006691
LC	CHI	2011	ISBM-CA_S(SOG)	7	ISBM	CA	0.02025
LC	CHI	2011	ISBM-CA_S(JdF)	8	ISBM	CA	0.005107
LC	CHI	2011	ISBM-SUS_T-N-S	9	ISBM	US	0.042085
LC	CHI	2011	ISBM-CA_N(freshwater)	10	ISBM	CA	0.007043
LC	CHI	2011	ISBM-CA_S(freshwater)	11	ISBM	CA	0.029231
LC	CHI	2011	Esc_Stray	12	Esc_Stray	Either	0
LC	CHI	2011	Escapement	13	Esc	CA	0.82673
LC	CHI	2012	SEAK_T-N-S	1	AABM	US	0
LC	CHI	2012	NBC-WCVI_T	2	AABM	CA	0.010116
LC	CHI	2012	NBC-WCVI_S	3	AABM	CA	0.012387
LC	CHI	2012	ISBM-CA_T-N	4	ISBM	CA	0
LC	CHI	2012	ISBM-CA_S(inside)	5	ISBM	CA	0.001652
LC	CHI	2012	Fraser_N	6	ISBM	CA	0.002064
LC	CHI	2012	ISBM-CA_S(SOG)	7	ISBM	CA	0.048927
LC	CHI	2012	ISBM-CA_S(JdF)	8	ISBM	CA	0.004129
LC	CHI	2012	ISBM-SUS_T-N-S	9	ISBM	US	0.092073
LC	CHI	2012	ISBM-CA_N(freshwater)	10	ISBM	CA	0.003097
LC	CHI	2012	ISBM-CA_S(freshwater)	11	ISBM	CA	0.058216
LC	CHI	2012	Esc_Stray	12	Esc_Stray	Either	0
LC	CHI	2012	Escapement	13	Esc	CA	0.767341
LC	CHI	2013	SEAK_T-N-S	1	AABM	US	0.000332
LC	CHI	2013	NBC-WCVI_T	2	AABM	CA	0.024795
LC	CHI	2013	NBC-WCVI_S	3	AABM	CA	0.0204
LC	CHI	2013	ISBM-CA_T-N	4	ISBM	CA	0.000249
LC	CHI	2013	ISBM-CA_S(inside)	5	ISBM	CA	0.001244
LC	CHI	2013	Fraser_N	6	ISBM	CA	0.00398
LC	CHI	2013	ISBM-CA_S(SOG)	7	ISBM	CA	0.059375
LC	CHI	2013	ISBM-CA_S(JdF)	8	ISBM	CA	0.013019
LC	CHI	2013	ISBM-SUS_T-N-S	9	ISBM	US	0.085413
LC	CHI	2013	ISBM-CA_N(freshwater)	10	ISBM	CA	0.014014
LC	CHI	2013	ISBM-CA_S(freshwater)	11	ISBM	CA	0.057468
LC	CHI	2013	Esc_Stray	12	Esc_Stray	Either	0.002985
LC	CHI	2013	Escapement	13	Esc	CA	0.716726
LC	CHI	2014	SEAK_T-N-S	1	AABM	US	0.001157
LC	CHI	2014	NBC-WCVI_T	2	AABM	CA	0.013969
LC	CHI	2014	NBC-WCVI_S	3	AABM	CA	0.010855

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MortType	Stock	Year	Fishery	FisheryNun	FisheryType	FisheryCou	Prop_Mort
LC	CHI	2014	ISBM-CA_T-N	4	ISBM	CA	0
LC	CHI	2014	ISBM-CA_S(inside)	5	ISBM	CA	0.002313
LC	CHI	2014	Fraser_N	6	ISBM	CA	0.013168
LC	CHI	2014	ISBM-CA_S(SOG)	7	ISBM	CA	0.07821
LC	CHI	2014	ISBM-CA_S(JdF)	8	ISBM	CA	0.010944
LC	CHI	2014	ISBM-SUS_T-N-S	9	ISBM	US	0.060059
LC	CHI	2014	ISBM-CA_N(freshwater)	10	ISBM	CA	0.014325
LC	CHI	2014	ISBM-CA_S(freshwater)	11	ISBM	CA	0.037904
LC	CHI	2014	Esc_Stray	12	Esc_Stray	Either	0.003559
LC	CHI	2014	Escapement	13	Esc	CA	0.753537
LC	CHI	2015	SEAK_T-N-S	1	AABM	US	0
LC	CHI	2015	NBC-WCVI_T	2	AABM	CA	0.005105
LC	CHI	2015	NBC-WCVI_S	3	AABM	CA	0.00527
LC	CHI	2015	ISBM-CA_T-N	4	ISBM	CA	0
LC	CHI	2015	ISBM-CA_S(inside)	5	ISBM	CA	0.000494
LC	CHI	2015	Fraser_N	6	ISBM	CA	0.01054
LC	CHI	2015	ISBM-CA_S(SOG)	7	ISBM	CA	0.075922
LC	CHI	2015	ISBM-CA_S(JdF)	8	ISBM	CA	0.007246
LC	CHI	2015	ISBM-SUS_T-N-S	9	ISBM	US	0.047266
LC	CHI	2015	ISBM-CA_N(freshwater)	10	ISBM	CA	0.033762
LC	CHI	2015	ISBM-CA_S(freshwater)	11	ISBM	CA	0.056983
LC	CHI	2015	Esc_Stray	12	Esc_Stray	Either	0.010705
LC	CHI	2015	Escapement	13	Esc	CA	0.746706
LC	CHI	2016	SEAK_T-N-S	1	AABM	US	0.000921
LC	CHI	2016	NBC-WCVI_T	2	AABM	CA	0.01074
LC	CHI	2016	NBC-WCVI_S	3	AABM	CA	0.016263
LC	CHI	2016	ISBM-CA_T-N	4	ISBM	CA	0
LC	CHI	2016	ISBM-CA_S(inside)	5	ISBM	CA	0.001381
LC	CHI	2016	Fraser_N	6	ISBM	CA	0.001688
LC	CHI	2016	ISBM-CA_S(SOG)	7	ISBM	CA	0.076557
LC	CHI	2016	ISBM-CA_S(JdF)	8	ISBM	CA	0.003529
LC	CHI	2016	ISBM-SUS_T-N-S	9	ISBM	US	0.025928
LC	CHI	2016	ISBM-CA_N(freshwater)	10	ISBM	CA	0.008285
LC	CHI	2016	ISBM-CA_S(freshwater)	11	ISBM	CA	0.067966
LC	CHI	2016	Esc_Stray	12	Esc_Stray	Either	0.003068
LC	CHI	2016	Escapement	13	Esc	CA	0.783676
LC	CHI	2017	SEAK_T-N-S	1	AABM	US	0
LC	CHI	2017	NBC-WCVI_T	2	AABM	CA	0.018846
LC	CHI	2017	NBC-WCVI_S	3	AABM	CA	0.031145
LC	CHI	2017	ISBM-CA_T-N	4	ISBM	CA	0
LC	CHI	2017	ISBM-CA_S(inside)	5	ISBM	CA	0.002976
LC	CHI	2017	Fraser_N	6	ISBM	CA	0.004364
LC	CHI	2017	ISBM-CA_S(SOG)	7	ISBM	CA	0.115453
LC	CHI	2017	ISBM-CA_S(JdF)	8	ISBM	CA	0.006546
LC	CHI	2017	ISBM-SUS_T-N-S	9	ISBM	US	0.060504
LC	CHI	2017	ISBM-CA_N(freshwater)	10	ISBM	CA	0.006348

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MortType	Stock	Year	Fishery	FisheryNun	FisheryTyp	FisheryCou	Prop_Mort
LC	CHI	2017	ISBM-CA_S(freshwater)	11	ISBM	CA	0.089863
LC	CHI	2017	Esc_Stray	12	Esc_Stray	Either	0.010712
LC	CHI	2017	Escapement	13	Esc	CA	0.653243
LC	CHI	2018	SEAK_T-N-S	1	AABM	US	0.001563
LC	CHI	2018	NBC-WCVI_T	2	AABM	CA	0.008011
LC	CHI	2018	NBC-WCVI_S	3	AABM	CA	0.009379
LC	CHI	2018	ISBM-CA_T-N	4	ISBM	CA	0
LC	CHI	2018	ISBM-CA_S(inside)	5	ISBM	CA	0.005666
LC	CHI	2018	Fraser_N	6	ISBM	CA	0.003322
LC	CHI	2018	ISBM-CA_S(SOG)	7	ISBM	CA	0.113521
LC	CHI	2018	ISBM-CA_S(JdF)	8	ISBM	CA	0.015631
LC	CHI	2018	ISBM-SUS_T-N-S	9	ISBM	US	0.074248
LC	CHI	2018	ISBM-CA_N(freshwater)	10	ISBM	CA	0.01739
LC	CHI	2018	ISBM-CA_S(freshwater)	11	ISBM	CA	0.029504
LC	CHI	2018	Esc_Stray	12	Esc_Stray	Either	0
LC	CHI	2018	Escapement	13	Esc	CA	0.721766
TM	CHI	1979	SEAK_T-N-S	1	AABM	US	NA
TM	CHI	1979	NBC-WCVI_T	2	AABM	CA	NA
TM	CHI	1979	NBC-WCVI_S	3	AABM	CA	NA
TM	CHI	1979	ISBM-CA_T-N	4	ISBM	CA	NA
TM	CHI	1979	ISBM-CA_S(inside)	5	ISBM	CA	NA
TM	CHI	1979	Fraser_N	6	ISBM	CA	NA
TM	CHI	1979	ISBM-CA_S(SOG)	7	ISBM	CA	NA
TM	CHI	1979	ISBM-CA_S(JdF)	8	ISBM	CA	NA
TM	CHI	1979	ISBM-SUS_T-N-S	9	ISBM	US	NA
TM	CHI	1979	ISBM-CA_N(freshwater)	10	ISBM	CA	NA
TM	CHI	1979	ISBM-CA_S(freshwater)	11	ISBM	CA	NA
TM	CHI	1979	Esc_Stray	12	Esc_Stray	Either	NA
TM	CHI	1979	Escapement	13	Esc	CA	NA
TM	CHI	1980	SEAK_T-N-S	1	AABM	US	NA
TM	CHI	1980	NBC-WCVI_T	2	AABM	CA	NA
TM	CHI	1980	NBC-WCVI_S	3	AABM	CA	NA
TM	CHI	1980	ISBM-CA_T-N	4	ISBM	CA	NA
TM	CHI	1980	ISBM-CA_S(inside)	5	ISBM	CA	NA
TM	CHI	1980	Fraser_N	6	ISBM	CA	NA
TM	CHI	1980	ISBM-CA_S(SOG)	7	ISBM	CA	NA
TM	CHI	1980	ISBM-CA_S(JdF)	8	ISBM	CA	NA
TM	CHI	1980	ISBM-SUS_T-N-S	9	ISBM	US	NA
TM	CHI	1980	ISBM-CA_N(freshwater)	10	ISBM	CA	NA
TM	CHI	1980	ISBM-CA_S(freshwater)	11	ISBM	CA	NA
TM	CHI	1980	Esc_Stray	12	Esc_Stray	Either	NA
TM	CHI	1980	Escapement	13	Esc	CA	NA
TM	CHI	1981	SEAK_T-N-S	1	AABM	US	NA
TM	CHI	1981	NBC-WCVI_T	2	AABM	CA	NA
TM	CHI	1981	NBC-WCVI_S	3	AABM	CA	NA
TM	CHI	1981	ISBM-CA_T-N	4	ISBM	CA	NA

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MortType	Stock	Year	Fishery	FisheryNun	FisheryType	FisheryCou	Prop_Mort
TM	CHI	1981	ISBM-CA_S(inside)	5	ISBM	CA	NA
TM	CHI	1981	Fraser_N	6	ISBM	CA	NA
TM	CHI	1981	ISBM-CA_S(SOG)	7	ISBM	CA	NA
TM	CHI	1981	ISBM-CA_S(JdF)	8	ISBM	CA	NA
TM	CHI	1981	ISBM-SUS_T-N-S	9	ISBM	US	NA
TM	CHI	1981	ISBM-CA_N(freshwater)	10	ISBM	CA	NA
TM	CHI	1981	ISBM-CA_S(freshwater)	11	ISBM	CA	NA
TM	CHI	1981	Esc_Stray	12	Esc_Stray	Either	NA
TM	CHI	1981	Escapement	13	Esc	CA	NA
TM	CHI	1982	SEAK_T-N-S	1	AABM	US	NA
TM	CHI	1982	NBC-WCVI_T	2	AABM	CA	NA
TM	CHI	1982	NBC-WCVI_S	3	AABM	CA	NA
TM	CHI	1982	ISBM-CA_T-N	4	ISBM	CA	NA
TM	CHI	1982	ISBM-CA_S(inside)	5	ISBM	CA	NA
TM	CHI	1982	Fraser_N	6	ISBM	CA	NA
TM	CHI	1982	ISBM-CA_S(SOG)	7	ISBM	CA	NA
TM	CHI	1982	ISBM-CA_S(JdF)	8	ISBM	CA	NA
TM	CHI	1982	ISBM-SUS_T-N-S	9	ISBM	US	NA
TM	CHI	1982	ISBM-CA_N(freshwater)	10	ISBM	CA	NA
TM	CHI	1982	ISBM-CA_S(freshwater)	11	ISBM	CA	NA
TM	CHI	1982	Esc_Stray	12	Esc_Stray	Either	NA
TM	CHI	1982	Escapement	13	Esc	CA	NA
TM	CHI	1983	SEAK_T-N-S	1	AABM	US	NA
TM	CHI	1983	NBC-WCVI_T	2	AABM	CA	NA
TM	CHI	1983	NBC-WCVI_S	3	AABM	CA	NA
TM	CHI	1983	ISBM-CA_T-N	4	ISBM	CA	NA
TM	CHI	1983	ISBM-CA_S(inside)	5	ISBM	CA	NA
TM	CHI	1983	Fraser_N	6	ISBM	CA	NA
TM	CHI	1983	ISBM-CA_S(SOG)	7	ISBM	CA	NA
TM	CHI	1983	ISBM-CA_S(JdF)	8	ISBM	CA	NA
TM	CHI	1983	ISBM-SUS_T-N-S	9	ISBM	US	NA
TM	CHI	1983	ISBM-CA_N(freshwater)	10	ISBM	CA	NA
TM	CHI	1983	ISBM-CA_S(freshwater)	11	ISBM	CA	NA
TM	CHI	1983	Esc_Stray	12	Esc_Stray	Either	NA
TM	CHI	1983	Escapement	13	Esc	CA	NA
TM	CHI	1984	SEAK_T-N-S	1	AABM	US	0.000215
TM	CHI	1984	NBC-WCVI_T	2	AABM	CA	0.27034
TM	CHI	1984	NBC-WCVI_S	3	AABM	CA	0.000861
TM	CHI	1984	ISBM-CA_T-N	4	ISBM	CA	0.199096
TM	CHI	1984	ISBM-CA_S(inside)	5	ISBM	CA	0
TM	CHI	1984	Fraser_N	6	ISBM	CA	0.028842
TM	CHI	1984	ISBM-CA_S(SOG)	7	ISBM	CA	0.217607
TM	CHI	1984	ISBM-CA_S(JdF)	8	ISBM	CA	0.005596
TM	CHI	1984	ISBM-SUS_T-N-S	9	ISBM	US	0.057684
TM	CHI	1984	ISBM-CA_N(freshwater)	10	ISBM	CA	0
TM	CHI	1984	ISBM-CA_S(freshwater)	11	ISBM	CA	0.013991

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MortType	Stock	Year	Fishery	FisheryNun	FisheryTyp	FisheryCou	Prop_Mort
TM	CHI	1984	Esc_Stray	12	Esc_Stray	Either	0.003229
TM	CHI	1984	Escapement	13	Esc	CA	0.20254
TM	CHI	1985	SEAK_T-N-S	1	AABM	US	0.011059
TM	CHI	1985	NBC-WCVI_T	2	AABM	CA	0.329647
TM	CHI	1985	NBC-WCVI_S	3	AABM	CA	0
TM	CHI	1985	ISBM-CA_T-N	4	ISBM	CA	0.125053
TM	CHI	1985	ISBM-CA_S(inside)	5	ISBM	CA	0
TM	CHI	1985	Fraser_N	6	ISBM	CA	0.019141
TM	CHI	1985	ISBM-CA_S(SOG)	7	ISBM	CA	0.209273
TM	CHI	1985	ISBM-CA_S(JdF)	8	ISBM	CA	0.004254
TM	CHI	1985	ISBM-SUS_T-N-S	9	ISBM	US	0.119098
TM	CHI	1985	ISBM-CA_N(freshwater)	10	ISBM	CA	0
TM	CHI	1985	ISBM-CA_S(freshwater)	11	ISBM	CA	0.010208
TM	CHI	1985	Esc_Stray	12	Esc_Stray	Either	0.047639
TM	CHI	1985	Escapement	13	Esc	CA	0.124628
TM	CHI	1986	SEAK_T-N-S	1	AABM	US	0
TM	CHI	1986	NBC-WCVI_T	2	AABM	CA	0.209865
TM	CHI	1986	NBC-WCVI_S	3	AABM	CA	0
TM	CHI	1986	ISBM-CA_T-N	4	ISBM	CA	0.183341
TM	CHI	1986	ISBM-CA_S(inside)	5	ISBM	CA	0
TM	CHI	1986	Fraser_N	6	ISBM	CA	0.069335
TM	CHI	1986	ISBM-CA_S(SOG)	7	ISBM	CA	0.185202
TM	CHI	1986	ISBM-CA_S(JdF)	8	ISBM	CA	0
TM	CHI	1986	ISBM-SUS_T-N-S	9	ISBM	US	0.140996
TM	CHI	1986	ISBM-CA_N(freshwater)	10	ISBM	CA	0
TM	CHI	1986	ISBM-CA_S(freshwater)	11	ISBM	CA	0.012564
TM	CHI	1986	Esc_Stray	12	Esc_Stray	Either	0.011168
TM	CHI	1986	Escapement	13	Esc	CA	0.187529
TM	CHI	1987	SEAK_T-N-S	1	AABM	US	0.000369
TM	CHI	1987	NBC-WCVI_T	2	AABM	CA	0.194537
TM	CHI	1987	NBC-WCVI_S	3	AABM	CA	0.005168
TM	CHI	1987	ISBM-CA_T-N	4	ISBM	CA	0.172388
TM	CHI	1987	ISBM-CA_S(inside)	5	ISBM	CA	0
TM	CHI	1987	Fraser_N	6	ISBM	CA	0.018088
TM	CHI	1987	ISBM-CA_S(SOG)	7	ISBM	CA	0.185677
TM	CHI	1987	ISBM-CA_S(JdF)	8	ISBM	CA	0
TM	CHI	1987	ISBM-SUS_T-N-S	9	ISBM	US	0.100406
TM	CHI	1987	ISBM-CA_N(freshwater)	10	ISBM	CA	0
TM	CHI	1987	ISBM-CA_S(freshwater)	11	ISBM	CA	0.011443
TM	CHI	1987	Esc_Stray	12	Esc_Stray	Either	0.019195
TM	CHI	1987	Escapement	13	Esc	CA	0.292728
TM	CHI	1988	SEAK_T-N-S	1	AABM	US	0.004898
TM	CHI	1988	NBC-WCVI_T	2	AABM	CA	0.177959
TM	CHI	1988	NBC-WCVI_S	3	AABM	CA	0
TM	CHI	1988	ISBM-CA_T-N	4	ISBM	CA	0.070204
TM	CHI	1988	ISBM-CA_S(inside)	5	ISBM	CA	0

MortType	Stock	Year	Fishery	FisheryNun	FisheryTyp	FisheryCou	Prop_Mort
TM	CHI	1988	Fraser_N	6	ISBM	CA	0.03102
TM	CHI	1988	ISBM-CA_S(SOG)	7	ISBM	CA	0.128163
TM	CHI	1988	ISBM-CA_S(JdF)	8	ISBM	CA	0
TM	CHI	1988	ISBM-SUS_T-N-S	9	ISBM	US	0.09551
TM	CHI	1988	ISBM-CA_N(freshwater)	10	ISBM	CA	0
TM	CHI	1988	ISBM-CA_S(freshwater)	11	ISBM	CA	0.02449
TM	CHI	1988	Esc_Stray	12	Esc_Stray	Either	0.022857
TM	CHI	1988	Escapement	13	Esc	CA	0.444898
TM	CHI	1989	SEAK_T-N-S	1	AABM	US	0.002301
TM	CHI	1989	NBC-WCVI_T	2	AABM	CA	0.230828
TM	CHI	1989	NBC-WCVI_S	3	AABM	CA	0
TM	CHI	1989	ISBM-CA_T-N	4	ISBM	CA	0.041411
TM	CHI	1989	ISBM-CA_S(inside)	5	ISBM	CA	0
TM	CHI	1989	Fraser_N	6	ISBM	CA	0.011503
TM	CHI	1989	ISBM-CA_S(SOG)	7	ISBM	CA	0.199387
TM	CHI	1989	ISBM-CA_S(JdF)	8	ISBM	CA	0.004601
TM	CHI	1989	ISBM-SUS_T-N-S	9	ISBM	US	0.10046
TM	CHI	1989	ISBM-CA_N(freshwater)	10	ISBM	CA	0
TM	CHI	1989	ISBM-CA_S(freshwater)	11	ISBM	CA	0.005368
TM	CHI	1989	Esc_Stray	12	Esc_Stray	Either	0.020706
TM	CHI	1989	Escapement	13	Esc	CA	0.383436
TM	CHI	1990	SEAK_T-N-S	1	AABM	US	0.009281
TM	CHI	1990	NBC-WCVI_T	2	AABM	CA	0.108469
TM	CHI	1990	NBC-WCVI_S	3	AABM	CA	0.020882
TM	CHI	1990	ISBM-CA_T-N	4	ISBM	CA	0.068446
TM	CHI	1990	ISBM-CA_S(inside)	5	ISBM	CA	0
TM	CHI	1990	Fraser_N	6	ISBM	CA	0
TM	CHI	1990	ISBM-CA_S(SOG)	7	ISBM	CA	0.168213
TM	CHI	1990	ISBM-CA_S(JdF)	8	ISBM	CA	0.00348
TM	CHI	1990	ISBM-SUS_T-N-S	9	ISBM	US	0.235499
TM	CHI	1990	ISBM-CA_N(freshwater)	10	ISBM	CA	0.017981
TM	CHI	1990	ISBM-CA_S(freshwater)	11	ISBM	CA	0.011021
TM	CHI	1990	Esc_Stray	12	Esc_Stray	Either	0.042343
TM	CHI	1990	Escapement	13	Esc	CA	0.314385
TM	CHI	1991	SEAK_T-N-S	1	AABM	US	0.003223
TM	CHI	1991	NBC-WCVI_T	2	AABM	CA	0.197551
TM	CHI	1991	NBC-WCVI_S	3	AABM	CA	0.004834
TM	CHI	1991	ISBM-CA_T-N	4	ISBM	CA	0.119562
TM	CHI	1991	ISBM-CA_S(inside)	5	ISBM	CA	0.001611
TM	CHI	1991	Fraser_N	6	ISBM	CA	0
TM	CHI	1991	ISBM-CA_S(SOG)	7	ISBM	CA	0.155334
TM	CHI	1991	ISBM-CA_S(JdF)	8	ISBM	CA	0.004512
TM	CHI	1991	ISBM-SUS_T-N-S	9	ISBM	US	0.229455
TM	CHI	1991	ISBM-CA_N(freshwater)	10	ISBM	CA	0.02417
TM	CHI	1991	ISBM-CA_S(freshwater)	11	ISBM	CA	0.014824
TM	CHI	1991	Esc_Stray	12	Esc_Stray	Either	0.009668

MortType	Stock	Year	Fishery	FisheryNun	FisheryTyp	FisheryCou	Prop_Mort
TM	CHI	1991	Escapement	13	Esc	CA	0.235256
TM	CHI	1992	SEAK_T-N-S	1	AABM	US	0.00308
TM	CHI	1992	NBC-WCVI_T	2	AABM	CA	0.198768
TM	CHI	1992	NBC-WCVI_S	3	AABM	CA	0.001185
TM	CHI	1992	ISBM-CA_T-N	4	ISBM	CA	0.082682
TM	CHI	1992	ISBM-CA_S(inside)	5	ISBM	CA	0
TM	CHI	1992	Fraser_N	6	ISBM	CA	0
TM	CHI	1992	ISBM-CA_S(SOG)	7	ISBM	CA	0.102345
TM	CHI	1992	ISBM-CA_S(JdF)	8	ISBM	CA	0.004501
TM	CHI	1992	ISBM-SUS_T-N-S	9	ISBM	US	0.130301
TM	CHI	1992	ISBM-CA_N(freshwater)	10	ISBM	CA	0.004975
TM	CHI	1992	ISBM-CA_S(freshwater)	11	ISBM	CA	0.011372
TM	CHI	1992	Esc_Stray	12	Esc_Stray	Either	0.014925
TM	CHI	1992	Escapement	13	Esc	CA	0.445866
TM	CHI	1993	SEAK_T-N-S	1	AABM	US	0.001973
TM	CHI	1993	NBC-WCVI_T	2	AABM	CA	0.130242
TM	CHI	1993	NBC-WCVI_S	3	AABM	CA	0.003453
TM	CHI	1993	ISBM-CA_T-N	4	ISBM	CA	0.080908
TM	CHI	1993	ISBM-CA_S(inside)	5	ISBM	CA	0
TM	CHI	1993	Fraser_N	6	ISBM	CA	0
TM	CHI	1993	ISBM-CA_S(SOG)	7	ISBM	CA	0.070054
TM	CHI	1993	ISBM-CA_S(JdF)	8	ISBM	CA	0.00148
TM	CHI	1993	ISBM-SUS_T-N-S	9	ISBM	US	0.084855
TM	CHI	1993	ISBM-CA_N(freshwater)	10	ISBM	CA	0.012827
TM	CHI	1993	ISBM-CA_S(freshwater)	11	ISBM	CA	0.019734
TM	CHI	1993	Esc_Stray	12	Esc_Stray	Either	0.02072
TM	CHI	1993	Escapement	13	Esc	CA	0.573754
TM	CHI	1994	SEAK_T-N-S	1	AABM	US	0.006954
TM	CHI	1994	NBC-WCVI_T	2	AABM	CA	0.093185
TM	CHI	1994	NBC-WCVI_S	3	AABM	CA	0
TM	CHI	1994	ISBM-CA_T-N	4	ISBM	CA	0.095967
TM	CHI	1994	ISBM-CA_S(inside)	5	ISBM	CA	0.026426
TM	CHI	1994	Fraser_N	6	ISBM	CA	0
TM	CHI	1994	ISBM-CA_S(SOG)	7	ISBM	CA	0.070932
TM	CHI	1994	ISBM-CA_S(JdF)	8	ISBM	CA	0.004172
TM	CHI	1994	ISBM-SUS_T-N-S	9	ISBM	US	0.108484
TM	CHI	1994	ISBM-CA_N(freshwater)	10	ISBM	CA	0.015299
TM	CHI	1994	ISBM-CA_S(freshwater)	11	ISBM	CA	0.058415
TM	CHI	1994	Esc_Stray	12	Esc_Stray	Either	0
TM	CHI	1994	Escapement	13	Esc	CA	0.520167
TM	CHI	1995	SEAK_T-N-S	1	AABM	US	0
TM	CHI	1995	NBC-WCVI_T	2	AABM	CA	0.127429
TM	CHI	1995	NBC-WCVI_S	3	AABM	CA	0.004971
TM	CHI	1995	ISBM-CA_T-N	4	ISBM	CA	0.011749
TM	CHI	1995	ISBM-CA_S(inside)	5	ISBM	CA	0
TM	CHI	1995	Fraser_N	6	ISBM	CA	0

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MortType	Stock	Year	Fishery	FisheryNun	FisheryTyp	FisheryCou	Prop_Mort
TM	CHI	1995	ISBM-CA_S(SOG)	7	ISBM	CA	0.080886
TM	CHI	1995	ISBM-CA_S(JdF)	8	ISBM	CA	0
TM	CHI	1995	ISBM-SUS_T-N-S	9	ISBM	US	0.045639
TM	CHI	1995	ISBM-CA_N(freshwater)	10	ISBM	CA	0.018527
TM	CHI	1995	ISBM-CA_S(freshwater)	11	ISBM	CA	0.009941
TM	CHI	1995	Esc_Stray	12	Esc_Stray	Either	0.000452
TM	CHI	1995	Escapement	13	Esc	CA	0.700407
TM	CHI	1996	SEAK_T-N-S	1	AABM	US	0.002261
TM	CHI	1996	NBC-WCVI_T	2	AABM	CA	0.020351
TM	CHI	1996	NBC-WCVI_S	3	AABM	CA	0.003957
TM	CHI	1996	ISBM-CA_T-N	4	ISBM	CA	0.013002
TM	CHI	1996	ISBM-CA_S(inside)	5	ISBM	CA	0
TM	CHI	1996	Fraser_N	6	ISBM	CA	0
TM	CHI	1996	ISBM-CA_S(SOG)	7	ISBM	CA	0.204635
TM	CHI	1996	ISBM-CA_S(JdF)	8	ISBM	CA	0.013002
TM	CHI	1996	ISBM-SUS_T-N-S	9	ISBM	US	0.095534
TM	CHI	1996	ISBM-CA_N(freshwater)	10	ISBM	CA	0.008479
TM	CHI	1996	ISBM-CA_S(freshwater)	11	ISBM	CA	0.025438
TM	CHI	1996	Esc_Stray	12	Esc_Stray	Either	0.000565
TM	CHI	1996	Escapement	13	Esc	CA	0.612776
TM	CHI	1997	SEAK_T-N-S	1	AABM	US	0.005396
TM	CHI	1997	NBC-WCVI_T	2	AABM	CA	0.128684
TM	CHI	1997	NBC-WCVI_S	3	AABM	CA	0.008717
TM	CHI	1997	ISBM-CA_T-N	4	ISBM	CA	0.014944
TM	CHI	1997	ISBM-CA_S(inside)	5	ISBM	CA	0.010793
TM	CHI	1997	Fraser_N	6	ISBM	CA	0
TM	CHI	1997	ISBM-CA_S(SOG)	7	ISBM	CA	0.15193
TM	CHI	1997	ISBM-CA_S(JdF)	8	ISBM	CA	0.00166
TM	CHI	1997	ISBM-SUS_T-N-S	9	ISBM	US	0.109589
TM	CHI	1997	ISBM-CA_N(freshwater)	10	ISBM	CA	0.025737
TM	CHI	1997	ISBM-CA_S(freshwater)	11	ISBM	CA	0.025322
TM	CHI	1997	Esc_Stray	12	Esc_Stray	Either	0
TM	CHI	1997	Escapement	13	Esc	CA	0.517227
TM	CHI	1998	SEAK_T-N-S	1	AABM	US	0.005006
TM	CHI	1998	NBC-WCVI_T	2	AABM	CA	0.00219
TM	CHI	1998	NBC-WCVI_S	3	AABM	CA	0
TM	CHI	1998	ISBM-CA_T-N	4	ISBM	CA	0.000313
TM	CHI	1998	ISBM-CA_S(inside)	5	ISBM	CA	0.005632
TM	CHI	1998	Fraser_N	6	ISBM	CA	0
TM	CHI	1998	ISBM-CA_S(SOG)	7	ISBM	CA	0.037547
TM	CHI	1998	ISBM-CA_S(JdF)	8	ISBM	CA	0.002816
TM	CHI	1998	ISBM-SUS_T-N-S	9	ISBM	US	0.043805
TM	CHI	1998	ISBM-CA_N(freshwater)	10	ISBM	CA	0.001564
TM	CHI	1998	ISBM-CA_S(freshwater)	11	ISBM	CA	0.012516
TM	CHI	1998	Esc_Stray	12	Esc_Stray	Either	0.004693
TM	CHI	1998	Escapement	13	Esc	CA	0.883917

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MortType	Stock	Year	Fishery	FisheryNun	FisheryTyp	FisheryCou	Prop_Mort
TM	CHI	1999	SEAK_T-N-S	1	AABM	US	0.001187
TM	CHI	1999	NBC-WCVI_T	2	AABM	CA	0.005045
TM	CHI	1999	NBC-WCVI_S	3	AABM	CA	0.014243
TM	CHI	1999	ISBM-CA_T-N	4	ISBM	CA	0
TM	CHI	1999	ISBM-CA_S(inside)	5	ISBM	CA	0.004451
TM	CHI	1999	Fraser_N	6	ISBM	CA	0
TM	CHI	1999	ISBM-CA_S(SOG)	7	ISBM	CA	0.106231
TM	CHI	1999	ISBM-CA_S(JdF)	8	ISBM	CA	0.002967
TM	CHI	1999	ISBM-SUS_T-N-S	9	ISBM	US	0.150148
TM	CHI	1999	ISBM-CA_N(freshwater)	10	ISBM	CA	0.004154
TM	CHI	1999	ISBM-CA_S(freshwater)	11	ISBM	CA	0.015727
TM	CHI	1999	Esc_Stray	12	Esc_Stray	Either	0.002967
TM	CHI	1999	Escapement	13	Esc	CA	0.692878
TM	CHI	2000	SEAK_T-N-S	1	AABM	US	0.000838
TM	CHI	2000	NBC-WCVI_T	2	AABM	CA	0.044109
TM	CHI	2000	NBC-WCVI_S	3	AABM	CA	0.018705
TM	CHI	2000	ISBM-CA_T-N	4	ISBM	CA	0
TM	CHI	2000	ISBM-CA_S(inside)	5	ISBM	CA	0.004746
TM	CHI	2000	Fraser_N	6	ISBM	CA	0
TM	CHI	2000	ISBM-CA_S(SOG)	7	ISBM	CA	0.032943
TM	CHI	2000	ISBM-CA_S(JdF)	8	ISBM	CA	0.002513
TM	CHI	2000	ISBM-SUS_T-N-S	9	ISBM	US	0.044389
TM	CHI	2000	ISBM-CA_N(freshwater)	10	ISBM	CA	0
TM	CHI	2000	ISBM-CA_S(freshwater)	11	ISBM	CA	0.018426
TM	CHI	2000	Esc_Stray	12	Esc_Stray	Either	0.000279
TM	CHI	2000	Escapement	13	Esc	CA	0.833054
TM	CHI	2001	SEAK_T-N-S	1	AABM	US	0.001151
TM	CHI	2001	NBC-WCVI_T	2	AABM	CA	0.044317
TM	CHI	2001	NBC-WCVI_S	3	AABM	CA	0.018705
TM	CHI	2001	ISBM-CA_T-N	4	ISBM	CA	0
TM	CHI	2001	ISBM-CA_S(inside)	5	ISBM	CA	0.002014
TM	CHI	2001	Fraser_N	6	ISBM	CA	0
TM	CHI	2001	ISBM-CA_S(SOG)	7	ISBM	CA	0.113381
TM	CHI	2001	ISBM-CA_S(JdF)	8	ISBM	CA	0.00259
TM	CHI	2001	ISBM-SUS_T-N-S	9	ISBM	US	0.149928
TM	CHI	2001	ISBM-CA_N(freshwater)	10	ISBM	CA	0.002302
TM	CHI	2001	ISBM-CA_S(freshwater)	11	ISBM	CA	0.155396
TM	CHI	2001	Esc_Stray	12	Esc_Stray	Either	0.000288
TM	CHI	2001	Escapement	13	Esc	CA	0.509928
TM	CHI	2002	SEAK_T-N-S	1	AABM	US	0.002726
TM	CHI	2002	NBC-WCVI_T	2	AABM	CA	0.083139
TM	CHI	2002	NBC-WCVI_S	3	AABM	CA	0.043419
TM	CHI	2002	ISBM-CA_T-N	4	ISBM	CA	0.001168
TM	CHI	2002	ISBM-CA_S(inside)	5	ISBM	CA	0.007983
TM	CHI	2002	Fraser_N	6	ISBM	CA	0
TM	CHI	2002	ISBM-CA_S(SOG)	7	ISBM	CA	0.040888

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MortType	Stock	Year	Fishery	FisheryNun	FisheryTyp	FisheryCou	Prop_Mort
TM	CHI	2002	ISBM-CA_S(JdF)	8	ISBM	CA	0.001752
TM	CHI	2002	ISBM-SUS_T-N-S	9	ISBM	US	0.114291
TM	CHI	2002	ISBM-CA_N(freshwater)	10	ISBM	CA	0.005646
TM	CHI	2002	ISBM-CA_S(freshwater)	11	ISBM	CA	0.052181
TM	CHI	2002	Esc_Stray	12	Esc_Stray	Either	0
TM	CHI	2002	Escapement	13	Esc	CA	0.646807
TM	CHI	2003	SEAK_T-N-S	1	AABM	US	0.001416
TM	CHI	2003	NBC-WCVI_T	2	AABM	CA	0.05359
TM	CHI	2003	NBC-WCVI_S	3	AABM	CA	0.02184
TM	CHI	2003	ISBM-CA_T-N	4	ISBM	CA	0
TM	CHI	2003	ISBM-CA_S(inside)	5	ISBM	CA	0.006067
TM	CHI	2003	Fraser_N	6	ISBM	CA	0
TM	CHI	2003	ISBM-CA_S(SOG)	7	ISBM	CA	0.025683
TM	CHI	2003	ISBM-CA_S(JdF)	8	ISBM	CA	0.004853
TM	CHI	2003	ISBM-SUS_T-N-S	9	ISBM	US	0.099494
TM	CHI	2003	ISBM-CA_N(freshwater)	10	ISBM	CA	0.002831
TM	CHI	2003	ISBM-CA_S(freshwater)	11	ISBM	CA	0.060667
TM	CHI	2003	Esc_Stray	12	Esc_Stray	Either	0.056421
TM	CHI	2003	Escapement	13	Esc	CA	0.667139
TM	CHI	2004	SEAK_T-N-S	1	AABM	US	0.001309
TM	CHI	2004	NBC-WCVI_T	2	AABM	CA	0.053535
TM	CHI	2004	NBC-WCVI_S	3	AABM	CA	0.022985
TM	CHI	2004	ISBM-CA_T-N	4	ISBM	CA	0
TM	CHI	2004	ISBM-CA_S(inside)	5	ISBM	CA	0
TM	CHI	2004	Fraser_N	6	ISBM	CA	0
TM	CHI	2004	ISBM-CA_S(SOG)	7	ISBM	CA	0.019203
TM	CHI	2004	ISBM-CA_S(JdF)	8	ISBM	CA	0.003055
TM	CHI	2004	ISBM-SUS_T-N-S	9	ISBM	US	0.08103
TM	CHI	2004	ISBM-CA_N(freshwater)	10	ISBM	CA	0.006546
TM	CHI	2004	ISBM-CA_S(freshwater)	11	ISBM	CA	0.046407
TM	CHI	2004	Esc_Stray	12	Esc_Stray	Either	0.003637
TM	CHI	2004	Escapement	13	Esc	CA	0.762293
TM	CHI	2005	SEAK_T-N-S	1	AABM	US	0.000233
TM	CHI	2005	NBC-WCVI_T	2	AABM	CA	0.071429
TM	CHI	2005	NBC-WCVI_S	3	AABM	CA	0.029781
TM	CHI	2005	ISBM-CA_T-N	4	ISBM	CA	0.000931
TM	CHI	2005	ISBM-CA_S(inside)	5	ISBM	CA	0.014193
TM	CHI	2005	Fraser_N	6	ISBM	CA	0
TM	CHI	2005	ISBM-CA_S(SOG)	7	ISBM	CA	0.019777
TM	CHI	2005	ISBM-CA_S(JdF)	8	ISBM	CA	0.013727
TM	CHI	2005	ISBM-SUS_T-N-S	9	ISBM	US	0.060493
TM	CHI	2005	ISBM-CA_N(freshwater)	10	ISBM	CA	0.031875
TM	CHI	2005	ISBM-CA_S(freshwater)	11	ISBM	CA	0.056073
TM	CHI	2005	Esc_Stray	12	Esc_Stray	Either	0
TM	CHI	2005	Escapement	13	Esc	CA	0.701489
TM	CHI	2006	SEAK_T-N-S	1	AABM	US	0

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MortType	Stock	Year	Fishery	FisheryNun	FisheryTyp	FisheryCou	Prop_Mort
TM	CHI	2006	NBC-WCVI_T	2	AABM	CA	0.083121
TM	CHI	2006	NBC-WCVI_S	3	AABM	CA	0.021509
TM	CHI	2006	ISBM-CA_T-N	4	ISBM	CA	0
TM	CHI	2006	ISBM-CA_S(inside)	5	ISBM	CA	0.000729
TM	CHI	2006	Fraser_N	6	ISBM	CA	0
TM	CHI	2006	ISBM-CA_S(SOG)	7	ISBM	CA	0.013124
TM	CHI	2006	ISBM-CA_S(JdF)	8	ISBM	CA	0.010572
TM	CHI	2006	ISBM-SUS_T-N-S	9	ISBM	US	0.051768
TM	CHI	2006	ISBM-CA_N(freshwater)	10	ISBM	CA	0.006198
TM	CHI	2006	ISBM-CA_S(freshwater)	11	ISBM	CA	0.048487
TM	CHI	2006	Esc_Stray	12	Esc_Stray	Either	0.009843
TM	CHI	2006	Escapement	13	Esc	CA	0.754648
TM	CHI	2007	SEAK_T-N-S	1	AABM	US	0
TM	CHI	2007	NBC-WCVI_T	2	AABM	CA	0.064583
TM	CHI	2007	NBC-WCVI_S	3	AABM	CA	0.02427
TM	CHI	2007	ISBM-CA_T-N	4	ISBM	CA	0
TM	CHI	2007	ISBM-CA_S(inside)	5	ISBM	CA	0
TM	CHI	2007	Fraser_N	6	ISBM	CA	0
TM	CHI	2007	ISBM-CA_S(SOG)	7	ISBM	CA	0.013986
TM	CHI	2007	ISBM-CA_S(JdF)	8	ISBM	CA	0
TM	CHI	2007	ISBM-SUS_T-N-S	9	ISBM	US	0.037845
TM	CHI	2007	ISBM-CA_N(freshwater)	10	ISBM	CA	0.019334
TM	CHI	2007	ISBM-CA_S(freshwater)	11	ISBM	CA	0.048128
TM	CHI	2007	Esc_Stray	12	Esc_Stray	Either	0.001234
TM	CHI	2007	Escapement	13	Esc	CA	0.790621
TM	CHI	2008	SEAK_T-N-S	1	AABM	US	0.003147
TM	CHI	2008	NBC-WCVI_T	2	AABM	CA	0.108741
TM	CHI	2008	NBC-WCVI_S	3	AABM	CA	0.038462
TM	CHI	2008	ISBM-CA_T-N	4	ISBM	CA	0.000699
TM	CHI	2008	ISBM-CA_S(inside)	5	ISBM	CA	0.01049
TM	CHI	2008	Fraser_N	6	ISBM	CA	0
TM	CHI	2008	ISBM-CA_S(SOG)	7	ISBM	CA	0.021678
TM	CHI	2008	ISBM-CA_S(JdF)	8	ISBM	CA	0
TM	CHI	2008	ISBM-SUS_T-N-S	9	ISBM	US	0.092308
TM	CHI	2008	ISBM-CA_N(freshwater)	10	ISBM	CA	0.009441
TM	CHI	2008	ISBM-CA_S(freshwater)	11	ISBM	CA	0.095455
TM	CHI	2008	Esc_Stray	12	Esc_Stray	Either	0.005944
TM	CHI	2008	Escapement	13	Esc	CA	0.613636
TM	CHI	2009	SEAK_T-N-S	1	AABM	US	0
TM	CHI	2009	NBC-WCVI_T	2	AABM	CA	0.016745
TM	CHI	2009	NBC-WCVI_S	3	AABM	CA	0.024113
TM	CHI	2009	ISBM-CA_T-N	4	ISBM	CA	0.000335
TM	CHI	2009	ISBM-CA_S(inside)	5	ISBM	CA	0.008372
TM	CHI	2009	Fraser_N	6	ISBM	CA	0
TM	CHI	2009	ISBM-CA_S(SOG)	7	ISBM	CA	0.029471
TM	CHI	2009	ISBM-CA_S(JdF)	8	ISBM	CA	0.008707

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MortType	Stock	Year	Fishery	FisheryNun	FisheryTyp	FisheryCou	Prop_Mort
TM	CHI	2009	ISBM-SUS_T-N-S	9	ISBM	US	0.050904
TM	CHI	2009	ISBM-CA_N(freshwater)	10	ISBM	CA	0.033155
TM	CHI	2009	ISBM-CA_S(freshwater)	11	ISBM	CA	0.139987
TM	CHI	2009	Esc_Stray	12	Esc_Stray	Either	0.012726
TM	CHI	2009	Escapement	13	Esc	CA	0.675486
TM	CHI	2010	SEAK_T-N-S	1	AABM	US	0.002503
TM	CHI	2010	NBC-WCVI_T	2	AABM	CA	0.026904
TM	CHI	2010	NBC-WCVI_S	3	AABM	CA	0.023776
TM	CHI	2010	ISBM-CA_T-N	4	ISBM	CA	0
TM	CHI	2010	ISBM-CA_S(inside)	5	ISBM	CA	0.002033
TM	CHI	2010	Fraser_N	6	ISBM	CA	0.000313
TM	CHI	2010	ISBM-CA_S(SOG)	7	ISBM	CA	0.04458
TM	CHI	2010	ISBM-CA_S(JdF)	8	ISBM	CA	0.015799
TM	CHI	2010	ISBM-SUS_T-N-S	9	ISBM	US	0.066635
TM	CHI	2010	ISBM-CA_N(freshwater)	10	ISBM	CA	0.014391
TM	CHI	2010	ISBM-CA_S(freshwater)	11	ISBM	CA	0.06163
TM	CHI	2010	Esc_Stray	12	Esc_Stray	Either	0.005944
TM	CHI	2010	Escapement	13	Esc	CA	0.735492
TM	CHI	2011	SEAK_T-N-S	1	AABM	US	0
TM	CHI	2011	NBC-WCVI_T	2	AABM	CA	0.038259
TM	CHI	2011	NBC-WCVI_S	3	AABM	CA	0.023976
TM	CHI	2011	ISBM-CA_T-N	4	ISBM	CA	0.00034
TM	CHI	2011	ISBM-CA_S(inside)	5	ISBM	CA	0.006461
TM	CHI	2011	Fraser_N	6	ISBM	CA	0.008502
TM	CHI	2011	ISBM-CA_S(SOG)	7	ISBM	CA	0.027886
TM	CHI	2011	ISBM-CA_S(JdF)	8	ISBM	CA	0.005611
TM	CHI	2011	ISBM-SUS_T-N-S	9	ISBM	US	0.053732
TM	CHI	2011	ISBM-CA_N(freshwater)	10	ISBM	CA	0.006802
TM	CHI	2011	ISBM-CA_S(freshwater)	11	ISBM	CA	0.030097
TM	CHI	2011	Esc_Stray	12	Esc_Stray	Either	0
TM	CHI	2011	Escapement	13	Esc	CA	0.798334
TM	CHI	2012	SEAK_T-N-S	1	AABM	US	0
TM	CHI	2012	NBC-WCVI_T	2	AABM	CA	0.010511
TM	CHI	2012	NBC-WCVI_S	3	AABM	CA	0.014075
TM	CHI	2012	ISBM-CA_T-N	4	ISBM	CA	0
TM	CHI	2012	ISBM-CA_S(inside)	5	ISBM	CA	0.00196
TM	CHI	2012	Fraser_N	6	ISBM	CA	0.00196
TM	CHI	2012	ISBM-CA_S(SOG)	7	ISBM	CA	0.109745
TM	CHI	2012	ISBM-CA_S(JdF)	8	ISBM	CA	0.004276
TM	CHI	2012	ISBM-SUS_T-N-S	9	ISBM	US	0.138963
TM	CHI	2012	ISBM-CA_N(freshwater)	10	ISBM	CA	0.002672
TM	CHI	2012	ISBM-CA_S(freshwater)	11	ISBM	CA	0.053626
TM	CHI	2012	Esc_Stray	12	Esc_Stray	Either	0
TM	CHI	2012	Escapement	13	Esc	CA	0.662213
TM	CHI	2013	SEAK_T-N-S	1	AABM	US	0.000613
TM	CHI	2013	NBC-WCVI_T	2	AABM	CA	0.025142

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MortType	Stock	Year	Fishery	FisheryNum	FisheryTyp	FisheryCou	Prop_Mort
TM	CHI	2013	NBC-WCVI_S	3	AABM	CA	0.023072
TM	CHI	2013	ISBM-CA_T-N	4	ISBM	CA	0.000383
TM	CHI	2013	ISBM-CA_S(inside)	5	ISBM	CA	0.001303
TM	CHI	2013	Fraser_N	6	ISBM	CA	0.009505
TM	CHI	2013	ISBM-CA_S(SOG)	7	ISBM	CA	0.088533
TM	CHI	2013	ISBM-CA_S(JdF)	8	ISBM	CA	0.013491
TM	CHI	2013	ISBM-SUS_T-N-S	9	ISBM	US	0.102943
TM	CHI	2013	ISBM-CA_N(freshwater)	10	ISBM	CA	0.012954
TM	CHI	2013	ISBM-CA_S(freshwater)	11	ISBM	CA	0.056799
TM	CHI	2013	Esc_Stray	12	Esc_Stray	Either	0.002759
TM	CHI	2013	Escapement	13	Esc	CA	0.662502
TM	CHI	2014	SEAK_T-N-S	1	AABM	US	0.001338
TM	CHI	2014	NBC-WCVI_T	2	AABM	CA	0.014048
TM	CHI	2014	NBC-WCVI_S	3	AABM	CA	0.012208
TM	CHI	2014	ISBM-CA_T-N	4	ISBM	CA	0.000585
TM	CHI	2014	ISBM-CA_S(inside)	5	ISBM	CA	0.002509
TM	CHI	2014	Fraser_N	6	ISBM	CA	0.022577
TM	CHI	2014	ISBM-CA_S(SOG)	7	ISBM	CA	0.102182
TM	CHI	2014	ISBM-CA_S(JdF)	8	ISBM	CA	0.011372
TM	CHI	2014	ISBM-SUS_T-N-S	9	ISBM	US	0.07024
TM	CHI	2014	ISBM-CA_N(freshwater)	10	ISBM	CA	0.013463
TM	CHI	2014	ISBM-CA_S(freshwater)	11	ISBM	CA	0.037963
TM	CHI	2014	Esc_Stray	12	Esc_Stray	Either	0.003345
TM	CHI	2014	Escapement	13	Esc	CA	0.70817
TM	CHI	2015	SEAK_T-N-S	1	AABM	US	0
TM	CHI	2015	NBC-WCVI_T	2	AABM	CA	0.005059
TM	CHI	2015	NBC-WCVI_S	3	AABM	CA	0.006008
TM	CHI	2015	ISBM-CA_T-N	4	ISBM	CA	0.000158
TM	CHI	2015	ISBM-CA_S(inside)	5	ISBM	CA	0.000632
TM	CHI	2015	Fraser_N	6	ISBM	CA	0.010909
TM	CHI	2015	ISBM-CA_S(SOG)	7	ISBM	CA	0.096285
TM	CHI	2015	ISBM-CA_S(JdF)	8	ISBM	CA	0.007431
TM	CHI	2015	ISBM-SUS_T-N-S	9	ISBM	US	0.055494
TM	CHI	2015	ISBM-CA_N(freshwater)	10	ISBM	CA	0.032411
TM	CHI	2015	ISBM-CA_S(freshwater)	11	ISBM	CA	0.058498
TM	CHI	2015	Esc_Stray	12	Esc_Stray	Either	0.010277
TM	CHI	2015	Escapement	13	Esc	CA	0.716838
TM	CHI	2016	SEAK_T-N-S	1	AABM	US	0.000876
TM	CHI	2016	NBC-WCVI_T	2	AABM	CA	0.011092
TM	CHI	2016	NBC-WCVI_S	3	AABM	CA	0.018097
TM	CHI	2016	ISBM-CA_T-N	4	ISBM	CA	0
TM	CHI	2016	ISBM-CA_S(inside)	5	ISBM	CA	0.001605
TM	CHI	2016	Fraser_N	6	ISBM	CA	0.001605
TM	CHI	2016	ISBM-CA_S(SOG)	7	ISBM	CA	0.108435
TM	CHI	2016	ISBM-CA_S(JdF)	8	ISBM	CA	0.003649
TM	CHI	2016	ISBM-SUS_T-N-S	9	ISBM	US	0.029189

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MortType	Stock	Year	Fishery	FisheryNun	FisheryType	FisheryCou	Prop_Mort
TM	CHI	2016	ISBM-CA_N(freshwater)	10	ISBM	CA	0.007881
TM	CHI	2016	ISBM-CA_S(freshwater)	11	ISBM	CA	0.069177
TM	CHI	2016	Esc_Stray	12	Esc_Stray	Either	0.002919
TM	CHI	2016	Escapement	13	Esc	CA	0.745476
TM	CHI	2017	SEAK_T-N-S	1	AABM	US	0
TM	CHI	2017	NBC-WCVI_T	2	AABM	CA	0.018593
TM	CHI	2017	NBC-WCVI_S	3	AABM	CA	0.033328
TM	CHI	2017	ISBM-CA_T-N	4	ISBM	CA	0
TM	CHI	2017	ISBM-CA_S(inside)	5	ISBM	CA	0.003333
TM	CHI	2017	Fraser_N	6	ISBM	CA	0.004385
TM	CHI	2017	ISBM-CA_S(SOG)	7	ISBM	CA	0.187862
TM	CHI	2017	ISBM-CA_S(JdF)	8	ISBM	CA	0.006666
TM	CHI	2017	ISBM-SUS_T-N-S	9	ISBM	US	0.068058
TM	CHI	2017	ISBM-CA_N(freshwater)	10	ISBM	CA	0.005613
TM	CHI	2017	ISBM-CA_S(freshwater)	11	ISBM	CA	0.085073
TM	CHI	2017	Esc_Stray	12	Esc_Stray	Either	0.009472
TM	CHI	2017	Escapement	13	Esc	CA	0.577618
TM	CHI	2018	SEAK_T-N-S	1	AABM	US	0.001772
TM	CHI	2018	NBC-WCVI_T	2	AABM	CA	0.00833
TM	CHI	2018	NBC-WCVI_S	3	AABM	CA	0.010103
TM	CHI	2018	ISBM-CA_T-N	4	ISBM	CA	0
TM	CHI	2018	ISBM-CA_S(inside)	5	ISBM	CA	0.006026
TM	CHI	2018	Fraser_N	6	ISBM	CA	0.007976
TM	CHI	2018	ISBM-CA_S(SOG)	7	ISBM	CA	0.16519
TM	CHI	2018	ISBM-CA_S(JdF)	8	ISBM	CA	0.015775
TM	CHI	2018	ISBM-SUS_T-N-S	9	ISBM	US	0.085608
TM	CHI	2018	ISBM-CA_N(freshwater)	10	ISBM	CA	0.015775
TM	CHI	2018	ISBM-CA_S(freshwater)	11	ISBM	CA	0.028713
TM	CHI	2018	Esc_Stray	12	Esc_Stray	Either	0
TM	CHI	2018	Escapement	13	Esc	CA	0.654732
LC	HAR	1979	SEAK_T-N-S	1	AABM	US	NA
LC	HAR	1979	NBC-WCVI_T	2	AABM	CA	NA
LC	HAR	1979	NBC-WCVI_S	3	AABM	CA	NA
LC	HAR	1979	ISBM-CA_T-N	4	ISBM	CA	NA
LC	HAR	1979	ISBM-CA_S(inside)	5	ISBM	CA	NA
LC	HAR	1979	Fraser_N	6	ISBM	CA	NA
LC	HAR	1979	ISBM-CA_S(SOG)	7	ISBM	CA	NA
LC	HAR	1979	ISBM-CA_S(JdF)	8	ISBM	CA	NA
LC	HAR	1979	ISBM-SUS_T-N-S	9	ISBM	US	NA
LC	HAR	1979	ISBM-CA_N(freshwater)	10	ISBM	CA	NA
LC	HAR	1979	ISBM-CA_S(freshwater)	11	ISBM	CA	NA
LC	HAR	1979	Esc_Stray	12	Esc_Stray	Either	NA
LC	HAR	1979	Escapement	13	Esc	CA	NA
LC	HAR	1980	SEAK_T-N-S	1	AABM	US	NA
LC	HAR	1980	NBC-WCVI_T	2	AABM	CA	NA
LC	HAR	1980	NBC-WCVI_S	3	AABM	CA	NA

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MortType	Stock	Year	Fishery	FisheryNun	FisheryTyp	FisheryCou	Prop_Mort
LC	HAR	1980	ISBM-CA_T-N	4	ISBM	CA	NA
LC	HAR	1980	ISBM-CA_S(inside)	5	ISBM	CA	NA
LC	HAR	1980	Fraser_N	6	ISBM	CA	NA
LC	HAR	1980	ISBM-CA_S(SOG)	7	ISBM	CA	NA
LC	HAR	1980	ISBM-CA_S(JdF)	8	ISBM	CA	NA
LC	HAR	1980	ISBM-SUS_T-N-S	9	ISBM	US	NA
LC	HAR	1980	ISBM-CA_N(freshwater)	10	ISBM	CA	NA
LC	HAR	1980	ISBM-CA_S(freshwater)	11	ISBM	CA	NA
LC	HAR	1980	Esc_Stray	12	Esc_Stray	Either	NA
LC	HAR	1980	Escapement	13	Esc	CA	NA
LC	HAR	1981	SEAK_T-N-S	1	AABM	US	NA
LC	HAR	1981	NBC-WCVI_T	2	AABM	CA	NA
LC	HAR	1981	NBC-WCVI_S	3	AABM	CA	NA
LC	HAR	1981	ISBM-CA_T-N	4	ISBM	CA	NA
LC	HAR	1981	ISBM-CA_S(inside)	5	ISBM	CA	NA
LC	HAR	1981	Fraser_N	6	ISBM	CA	NA
LC	HAR	1981	ISBM-CA_S(SOG)	7	ISBM	CA	NA
LC	HAR	1981	ISBM-CA_S(JdF)	8	ISBM	CA	NA
LC	HAR	1981	ISBM-SUS_T-N-S	9	ISBM	US	NA
LC	HAR	1981	ISBM-CA_N(freshwater)	10	ISBM	CA	NA
LC	HAR	1981	ISBM-CA_S(freshwater)	11	ISBM	CA	NA
LC	HAR	1981	Esc_Stray	12	Esc_Stray	Either	NA
LC	HAR	1981	Escapement	13	Esc	CA	NA
LC	HAR	1982	SEAK_T-N-S	1	AABM	US	NA
LC	HAR	1982	NBC-WCVI_T	2	AABM	CA	NA
LC	HAR	1982	NBC-WCVI_S	3	AABM	CA	NA
LC	HAR	1982	ISBM-CA_T-N	4	ISBM	CA	NA
LC	HAR	1982	ISBM-CA_S(inside)	5	ISBM	CA	NA
LC	HAR	1982	Fraser_N	6	ISBM	CA	NA
LC	HAR	1982	ISBM-CA_S(SOG)	7	ISBM	CA	NA
LC	HAR	1982	ISBM-CA_S(JdF)	8	ISBM	CA	NA
LC	HAR	1982	ISBM-SUS_T-N-S	9	ISBM	US	NA
LC	HAR	1982	ISBM-CA_N(freshwater)	10	ISBM	CA	NA
LC	HAR	1982	ISBM-CA_S(freshwater)	11	ISBM	CA	NA
LC	HAR	1982	Esc_Stray	12	Esc_Stray	Either	NA
LC	HAR	1982	Escapement	13	Esc	CA	NA
LC	HAR	1983	SEAK_T-N-S	1	AABM	US	NA
LC	HAR	1983	NBC-WCVI_T	2	AABM	CA	NA
LC	HAR	1983	NBC-WCVI_S	3	AABM	CA	NA
LC	HAR	1983	ISBM-CA_T-N	4	ISBM	CA	NA
LC	HAR	1983	ISBM-CA_S(inside)	5	ISBM	CA	NA
LC	HAR	1983	Fraser_N	6	ISBM	CA	NA
LC	HAR	1983	ISBM-CA_S(SOG)	7	ISBM	CA	NA
LC	HAR	1983	ISBM-CA_S(JdF)	8	ISBM	CA	NA
LC	HAR	1983	ISBM-SUS_T-N-S	9	ISBM	US	NA
LC	HAR	1983	ISBM-CA_N(freshwater)	10	ISBM	CA	NA

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MortType	Stock	Year	Fishery	FisheryNun	FisheryTyp	FisheryCou	Prop_Mort
LC	HAR	1983	ISBM-CA_S(freshwater)	11	ISBM	CA	NA
LC	HAR	1983	Esc_Stray	12	Esc_Stray	Either	NA
LC	HAR	1983	Escapement	13	Esc	CA	NA
LC	HAR	1984	SEAK_T-N-S	1	AABM	US	0.000454
LC	HAR	1984	NBC-WCVI_T	2	AABM	CA	0.290645
LC	HAR	1984	NBC-WCVI_S	3	AABM	CA	0
LC	HAR	1984	ISBM-CA_T-N	4	ISBM	CA	0.210263
LC	HAR	1984	ISBM-CA_S(inside)	5	ISBM	CA	0
LC	HAR	1984	Fraser_N	6	ISBM	CA	0.040418
LC	HAR	1984	ISBM-CA_S(SOG)	7	ISBM	CA	0.263851
LC	HAR	1984	ISBM-CA_S(JdF)	8	ISBM	CA	0.004541
LC	HAR	1984	ISBM-SUS_T-N-S	9	ISBM	US	0.074932
LC	HAR	1984	ISBM-CA_N(freshwater)	10	ISBM	CA	0
LC	HAR	1984	ISBM-CA_S(freshwater)	11	ISBM	CA	0.004541
LC	HAR	1984	Esc_Stray	12	Esc_Stray	Either	0
LC	HAR	1984	Escapement	13	Esc	CA	0.110354
LC	HAR	1985	SEAK_T-N-S	1	AABM	US	0.001218
LC	HAR	1985	NBC-WCVI_T	2	AABM	CA	0.23447
LC	HAR	1985	NBC-WCVI_S	3	AABM	CA	0.004263
LC	HAR	1985	ISBM-CA_T-N	4	ISBM	CA	0.121803
LC	HAR	1985	ISBM-CA_S(inside)	5	ISBM	CA	0.002436
LC	HAR	1985	Fraser_N	6	ISBM	CA	0.007308
LC	HAR	1985	ISBM-CA_S(SOG)	7	ISBM	CA	0.239342
LC	HAR	1985	ISBM-CA_S(JdF)	8	ISBM	CA	0
LC	HAR	1985	ISBM-SUS_T-N-S	9	ISBM	US	0.075518
LC	HAR	1985	ISBM-CA_N(freshwater)	10	ISBM	CA	0
LC	HAR	1985	ISBM-CA_S(freshwater)	11	ISBM	CA	0.003654
LC	HAR	1985	Esc_Stray	12	Esc_Stray	Either	0
LC	HAR	1985	Escapement	13	Esc	CA	0.309988
LC	HAR	1986	SEAK_T-N-S	1	AABM	US	0.013319
LC	HAR	1986	NBC-WCVI_T	2	AABM	CA	0.174251
LC	HAR	1986	NBC-WCVI_S	3	AABM	CA	0.00444
LC	HAR	1986	ISBM-CA_T-N	4	ISBM	CA	0.239734
LC	HAR	1986	ISBM-CA_S(inside)	5	ISBM	CA	0.00333
LC	HAR	1986	Fraser_N	6	ISBM	CA	0.057714
LC	HAR	1986	ISBM-CA_S(SOG)	7	ISBM	CA	0.221976
LC	HAR	1986	ISBM-CA_S(JdF)	8	ISBM	CA	0.006659
LC	HAR	1986	ISBM-SUS_T-N-S	9	ISBM	US	0.045505
LC	HAR	1986	ISBM-CA_N(freshwater)	10	ISBM	CA	0
LC	HAR	1986	ISBM-CA_S(freshwater)	11	ISBM	CA	0
LC	HAR	1986	Esc_Stray	12	Esc_Stray	Either	0
LC	HAR	1986	Escapement	13	Esc	CA	0.233074
LC	HAR	1987	SEAK_T-N-S	1	AABM	US	0.005367
LC	HAR	1987	NBC-WCVI_T	2	AABM	CA	0.076923
LC	HAR	1987	NBC-WCVI_S	3	AABM	CA	0
LC	HAR	1987	ISBM-CA_T-N	4	ISBM	CA	0.101968

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MortType	Stock	Year	Fishery	FisheryNun	FisheryTyp	FisheryCou	Prop_Mort
LC	HAR	1987	ISBM-CA_S(inside)	5	ISBM	CA	0
LC	HAR	1987	Fraser_N	6	ISBM	CA	0.037567
LC	HAR	1987	ISBM-CA_S(SOG)	7	ISBM	CA	0.241503
LC	HAR	1987	ISBM-CA_S(JdF)	8	ISBM	CA	0
LC	HAR	1987	ISBM-SUS_T-N-S	9	ISBM	US	0.121646
LC	HAR	1987	ISBM-CA_N(freshwater)	10	ISBM	CA	0
LC	HAR	1987	ISBM-CA_S(freshwater)	11	ISBM	CA	0.008945
LC	HAR	1987	Esc_Stray	12	Esc_Stray	Either	0
LC	HAR	1987	Escapement	13	Esc	CA	0.406082
LC	HAR	1988	SEAK_T-N-S	1	AABM	US	0.007785
LC	HAR	1988	NBC-WCVI_T	2	AABM	CA	0.034602
LC	HAR	1988	NBC-WCVI_S	3	AABM	CA	0.024222
LC	HAR	1988	ISBM-CA_T-N	4	ISBM	CA	0.163495
LC	HAR	1988	ISBM-CA_S(inside)	5	ISBM	CA	0.012111
LC	HAR	1988	Fraser_N	6	ISBM	CA	0.044983
LC	HAR	1988	ISBM-CA_S(SOG)	7	ISBM	CA	0.151384
LC	HAR	1988	ISBM-CA_S(JdF)	8	ISBM	CA	0
LC	HAR	1988	ISBM-SUS_T-N-S	9	ISBM	US	0.168685
LC	HAR	1988	ISBM-CA_N(freshwater)	10	ISBM	CA	0
LC	HAR	1988	ISBM-CA_S(freshwater)	11	ISBM	CA	0.004325
LC	HAR	1988	Esc_Stray	12	Esc_Stray	Either	0
LC	HAR	1988	Escapement	13	Esc	CA	0.388408
LC	HAR	1989	SEAK_T-N-S	1	AABM	US	0.001923
LC	HAR	1989	NBC-WCVI_T	2	AABM	CA	0.223077
LC	HAR	1989	NBC-WCVI_S	3	AABM	CA	0.010096
LC	HAR	1989	ISBM-CA_T-N	4	ISBM	CA	0.094231
LC	HAR	1989	ISBM-CA_S(inside)	5	ISBM	CA	0
LC	HAR	1989	Fraser_N	6	ISBM	CA	0.028365
LC	HAR	1989	ISBM-CA_S(SOG)	7	ISBM	CA	0.195192
LC	HAR	1989	ISBM-CA_S(JdF)	8	ISBM	CA	0.004327
LC	HAR	1989	ISBM-SUS_T-N-S	9	ISBM	US	0.158654
LC	HAR	1989	ISBM-CA_N(freshwater)	10	ISBM	CA	0
LC	HAR	1989	ISBM-CA_S(freshwater)	11	ISBM	CA	0
LC	HAR	1989	Esc_Stray	12	Esc_Stray	Either	0
LC	HAR	1989	Escapement	13	Esc	CA	0.284135
LC	HAR	1990	SEAK_T-N-S	1	AABM	US	0.002536
LC	HAR	1990	NBC-WCVI_T	2	AABM	CA	0.2
LC	HAR	1990	NBC-WCVI_S	3	AABM	CA	0.011232
LC	HAR	1990	ISBM-CA_T-N	4	ISBM	CA	0.063406
LC	HAR	1990	ISBM-CA_S(inside)	5	ISBM	CA	0
LC	HAR	1990	Fraser_N	6	ISBM	CA	0
LC	HAR	1990	ISBM-CA_S(SOG)	7	ISBM	CA	0.096015
LC	HAR	1990	ISBM-CA_S(JdF)	8	ISBM	CA	0.001449
LC	HAR	1990	ISBM-SUS_T-N-S	9	ISBM	US	0.12971
LC	HAR	1990	ISBM-CA_N(freshwater)	10	ISBM	CA	0.013768
LC	HAR	1990	ISBM-CA_S(freshwater)	11	ISBM	CA	0.003261

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MortType	Stock	Year	Fishery	FisheryNun	FisheryType	FisheryCou	Prop_Mort
LC	HAR	1990	Esc_Stray	12	Esc_Stray	Either	0
LC	HAR	1990	Escapement	13	Esc	CA	0.478623
LC	HAR	1991	SEAK_T-N-S	1	AABM	US	0.00072
LC	HAR	1991	NBC-WCVI_T	2	AABM	CA	0.256484
LC	HAR	1991	NBC-WCVI_S	3	AABM	CA	0
LC	HAR	1991	ISBM-CA_T-N	4	ISBM	CA	0.115994
LC	HAR	1991	ISBM-CA_S(inside)	5	ISBM	CA	0
LC	HAR	1991	Fraser_N	6	ISBM	CA	0
LC	HAR	1991	ISBM-CA_S(SOG)	7	ISBM	CA	0.095101
LC	HAR	1991	ISBM-CA_S(JdF)	8	ISBM	CA	0.002161
LC	HAR	1991	ISBM-SUS_T-N-S	9	ISBM	US	0.175072
LC	HAR	1991	ISBM-CA_N(freshwater)	10	ISBM	CA	0.01513
LC	HAR	1991	ISBM-CA_S(freshwater)	11	ISBM	CA	0.004323
LC	HAR	1991	Esc_Stray	12	Esc_Stray	Either	0
LC	HAR	1991	Escapement	13	Esc	CA	0.335014
LC	HAR	1992	SEAK_T-N-S	1	AABM	US	0
LC	HAR	1992	NBC-WCVI_T	2	AABM	CA	0.167677
LC	HAR	1992	NBC-WCVI_S	3	AABM	CA	0
LC	HAR	1992	ISBM-CA_T-N	4	ISBM	CA	0.120539
LC	HAR	1992	ISBM-CA_S(inside)	5	ISBM	CA	0
LC	HAR	1992	Fraser_N	6	ISBM	CA	0
LC	HAR	1992	ISBM-CA_S(SOG)	7	ISBM	CA	0.09899
LC	HAR	1992	ISBM-CA_S(JdF)	8	ISBM	CA	0.010101
LC	HAR	1992	ISBM-SUS_T-N-S	9	ISBM	US	0.183165
LC	HAR	1992	ISBM-CA_N(freshwater)	10	ISBM	CA	0.007407
LC	HAR	1992	ISBM-CA_S(freshwater)	11	ISBM	CA	0.002694
LC	HAR	1992	Esc_Stray	12	Esc_Stray	Either	0
LC	HAR	1992	Escapement	13	Esc	CA	0.409428
LC	HAR	1993	SEAK_T-N-S	1	AABM	US	0.007605
LC	HAR	1993	NBC-WCVI_T	2	AABM	CA	0.175856
LC	HAR	1993	NBC-WCVI_S	3	AABM	CA	0
LC	HAR	1993	ISBM-CA_T-N	4	ISBM	CA	0.068441
LC	HAR	1993	ISBM-CA_S(inside)	5	ISBM	CA	0
LC	HAR	1993	Fraser_N	6	ISBM	CA	0
LC	HAR	1993	ISBM-CA_S(SOG)	7	ISBM	CA	0.065589
LC	HAR	1993	ISBM-CA_S(JdF)	8	ISBM	CA	0.001901
LC	HAR	1993	ISBM-SUS_T-N-S	9	ISBM	US	0.120722
LC	HAR	1993	ISBM-CA_N(freshwater)	10	ISBM	CA	0.021863
LC	HAR	1993	ISBM-CA_S(freshwater)	11	ISBM	CA	0
LC	HAR	1993	Esc_Stray	12	Esc_Stray	Either	0
LC	HAR	1993	Escapement	13	Esc	CA	0.538023
LC	HAR	1994	SEAK_T-N-S	1	AABM	US	0
LC	HAR	1994	NBC-WCVI_T	2	AABM	CA	0.186352
LC	HAR	1994	NBC-WCVI_S	3	AABM	CA	0.020997
LC	HAR	1994	ISBM-CA_T-N	4	ISBM	CA	0.12336
LC	HAR	1994	ISBM-CA_S(inside)	5	ISBM	CA	0

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MortType	Stock	Year	Fishery	FisheryNun	FisheryTyp	FisheryCou	Prop_Mort
LC	HAR	1994	Fraser_N	6	ISBM	CA	0
LC	HAR	1994	ISBM-CA_S(SOG)	7	ISBM	CA	0.052493
LC	HAR	1994	ISBM-CA_S(JdF)	8	ISBM	CA	0.007874
LC	HAR	1994	ISBM-SUS_T-N-S	9	ISBM	US	0.086614
LC	HAR	1994	ISBM-CA_N(freshwater)	10	ISBM	CA	0.020997
LC	HAR	1994	ISBM-CA_S(freshwater)	11	ISBM	CA	0.010499
LC	HAR	1994	Esc_Stray	12	Esc_Stray	Either	0
LC	HAR	1994	Escapement	13	Esc	CA	0.490814
LC	HAR	1995	SEAK_T-N-S	1	AABM	US	0
LC	HAR	1995	NBC-WCVI_T	2	AABM	CA	0.139053
LC	HAR	1995	NBC-WCVI_S	3	AABM	CA	0
LC	HAR	1995	ISBM-CA_T-N	4	ISBM	CA	0.02071
LC	HAR	1995	ISBM-CA_S(inside)	5	ISBM	CA	0.008876
LC	HAR	1995	Fraser_N	6	ISBM	CA	0
LC	HAR	1995	ISBM-CA_S(SOG)	7	ISBM	CA	0.08284
LC	HAR	1995	ISBM-CA_S(JdF)	8	ISBM	CA	0.005917
LC	HAR	1995	ISBM-SUS_T-N-S	9	ISBM	US	0.142012
LC	HAR	1995	ISBM-CA_N(freshwater)	10	ISBM	CA	0.026627
LC	HAR	1995	ISBM-CA_S(freshwater)	11	ISBM	CA	0.008876
LC	HAR	1995	Esc_Stray	12	Esc_Stray	Either	0.059172
LC	HAR	1995	Escapement	13	Esc	CA	0.505917
LC	HAR	1996	SEAK_T-N-S	1	AABM	US	0.001011
LC	HAR	1996	NBC-WCVI_T	2	AABM	CA	0
LC	HAR	1996	NBC-WCVI_S	3	AABM	CA	0.002022
LC	HAR	1996	ISBM-CA_T-N	4	ISBM	CA	0.004044
LC	HAR	1996	ISBM-CA_S(inside)	5	ISBM	CA	0
LC	HAR	1996	Fraser_N	6	ISBM	CA	0
LC	HAR	1996	ISBM-CA_S(SOG)	7	ISBM	CA	0.134479
LC	HAR	1996	ISBM-CA_S(JdF)	8	ISBM	CA	0.004044
LC	HAR	1996	ISBM-SUS_T-N-S	9	ISBM	US	0.095046
LC	HAR	1996	ISBM-CA_N(freshwater)	10	ISBM	CA	0.004044
LC	HAR	1996	ISBM-CA_S(freshwater)	11	ISBM	CA	0
LC	HAR	1996	Esc_Stray	12	Esc_Stray	Either	0.001011
LC	HAR	1996	Escapement	13	Esc	CA	0.754297
LC	HAR	1997	SEAK_T-N-S	1	AABM	US	0.013351
LC	HAR	1997	NBC-WCVI_T	2	AABM	CA	0.108144
LC	HAR	1997	NBC-WCVI_S	3	AABM	CA	0.034713
LC	HAR	1997	ISBM-CA_T-N	4	ISBM	CA	0.010681
LC	HAR	1997	ISBM-CA_S(inside)	5	ISBM	CA	0.001335
LC	HAR	1997	Fraser_N	6	ISBM	CA	0
LC	HAR	1997	ISBM-CA_S(SOG)	7	ISBM	CA	0.152203
LC	HAR	1997	ISBM-CA_S(JdF)	8	ISBM	CA	0.010681
LC	HAR	1997	ISBM-SUS_T-N-S	9	ISBM	US	0.193591
LC	HAR	1997	ISBM-CA_N(freshwater)	10	ISBM	CA	0.025367
LC	HAR	1997	ISBM-CA_S(freshwater)	11	ISBM	CA	0
LC	HAR	1997	Esc_Stray	12	Esc_Stray	Either	0

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MortType	Stock	Year	Fishery	FisheryNun	FisheryTyp	FisheryCou	Prop_Mort
LC	HAR	1997	Escapement	13	Esc	CA	0.449933
LC	HAR	1998	SEAK_T-N-S	1	AABM	US	0.006903
LC	HAR	1998	NBC-WCVI_T	2	AABM	CA	0.00604
LC	HAR	1998	NBC-WCVI_S	3	AABM	CA	0
LC	HAR	1998	ISBM-CA_T-N	4	ISBM	CA	0
LC	HAR	1998	ISBM-CA_S(inside)	5	ISBM	CA	0
LC	HAR	1998	Fraser_N	6	ISBM	CA	0
LC	HAR	1998	ISBM-CA_S(SOG)	7	ISBM	CA	0.024159
LC	HAR	1998	ISBM-CA_S(JdF)	8	ISBM	CA	0.002588
LC	HAR	1998	ISBM-SUS_T-N-S	9	ISBM	US	0.051769
LC	HAR	1998	ISBM-CA_N(freshwater)	10	ISBM	CA	0.002588
LC	HAR	1998	ISBM-CA_S(freshwater)	11	ISBM	CA	0
LC	HAR	1998	Esc_Stray	12	Esc_Stray	Either	0.008628
LC	HAR	1998	Escapement	13	Esc	CA	0.897325
LC	HAR	1999	SEAK_T-N-S	1	AABM	US	0.00423
LC	HAR	1999	NBC-WCVI_T	2	AABM	CA	0.010152
LC	HAR	1999	NBC-WCVI_S	3	AABM	CA	0.01269
LC	HAR	1999	ISBM-CA_T-N	4	ISBM	CA	0.002538
LC	HAR	1999	ISBM-CA_S(inside)	5	ISBM	CA	0.005922
LC	HAR	1999	Fraser_N	6	ISBM	CA	0
LC	HAR	1999	ISBM-CA_S(SOG)	7	ISBM	CA	0.075296
LC	HAR	1999	ISBM-CA_S(JdF)	8	ISBM	CA	0.002538
LC	HAR	1999	ISBM-SUS_T-N-S	9	ISBM	US	0.143824
LC	HAR	1999	ISBM-CA_N(freshwater)	10	ISBM	CA	0.006768
LC	HAR	1999	ISBM-CA_S(freshwater)	11	ISBM	CA	0.002538
LC	HAR	1999	Esc_Stray	12	Esc_Stray	Either	0.009306
LC	HAR	1999	Escapement	13	Esc	CA	0.724196
LC	HAR	2000	SEAK_T-N-S	1	AABM	US	0.016514
LC	HAR	2000	NBC-WCVI_T	2	AABM	CA	0.143119
LC	HAR	2000	NBC-WCVI_S	3	AABM	CA	0.040367
LC	HAR	2000	ISBM-CA_T-N	4	ISBM	CA	0
LC	HAR	2000	ISBM-CA_S(inside)	5	ISBM	CA	0
LC	HAR	2000	Fraser_N	6	ISBM	CA	0
LC	HAR	2000	ISBM-CA_S(SOG)	7	ISBM	CA	0.095413
LC	HAR	2000	ISBM-CA_S(JdF)	8	ISBM	CA	0
LC	HAR	2000	ISBM-SUS_T-N-S	9	ISBM	US	0.152294
LC	HAR	2000	ISBM-CA_N(freshwater)	10	ISBM	CA	0
LC	HAR	2000	ISBM-CA_S(freshwater)	11	ISBM	CA	0
LC	HAR	2000	Esc_Stray	12	Esc_Stray	Either	0
LC	HAR	2000	Escapement	13	Esc	CA	0.552294
LC	HAR	2001	SEAK_T-N-S	1	AABM	US	0.00227
LC	HAR	2001	NBC-WCVI_T	2	AABM	CA	0.059024
LC	HAR	2001	NBC-WCVI_S	3	AABM	CA	0.019296
LC	HAR	2001	ISBM-CA_T-N	4	ISBM	CA	0
LC	HAR	2001	ISBM-CA_S(inside)	5	ISBM	CA	0
LC	HAR	2001	Fraser_N	6	ISBM	CA	0

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MortType	Stock	Year	Fishery	FisheryNun	FisheryType	FisheryCou	Prop_Mort
LC	HAR	2001	ISBM-CA_S(SOG)	7	ISBM	CA	0.045403
LC	HAR	2001	ISBM-CA_S(JdF)	8	ISBM	CA	0
LC	HAR	2001	ISBM-SUS_T-N-S	9	ISBM	US	0.097616
LC	HAR	2001	ISBM-CA_N(freshwater)	10	ISBM	CA	0
LC	HAR	2001	ISBM-CA_S(freshwater)	11	ISBM	CA	0
LC	HAR	2001	Esc_Stray	12	Esc_Stray	Either	0.005675
LC	HAR	2001	Escapement	13	Esc	CA	0.770715
LC	HAR	2002	SEAK_T-N-S	1	AABM	US	0.004444
LC	HAR	2002	NBC-WCVI_T	2	AABM	CA	0.091111
LC	HAR	2002	NBC-WCVI_S	3	AABM	CA	0.022222
LC	HAR	2002	ISBM-CA_T-N	4	ISBM	CA	0.004444
LC	HAR	2002	ISBM-CA_S(inside)	5	ISBM	CA	0
LC	HAR	2002	Fraser_N	6	ISBM	CA	0
LC	HAR	2002	ISBM-CA_S(SOG)	7	ISBM	CA	0.053333
LC	HAR	2002	ISBM-CA_S(JdF)	8	ISBM	CA	0.015556
LC	HAR	2002	ISBM-SUS_T-N-S	9	ISBM	US	0.155556
LC	HAR	2002	ISBM-CA_N(freshwater)	10	ISBM	CA	0.008889
LC	HAR	2002	ISBM-CA_S(freshwater)	11	ISBM	CA	0
LC	HAR	2002	Esc_Stray	12	Esc_Stray	Either	0.002222
LC	HAR	2002	Escapement	13	Esc	CA	0.642222
LC	HAR	2003	SEAK_T-N-S	1	AABM	US	0.015345
LC	HAR	2003	NBC-WCVI_T	2	AABM	CA	0.102302
LC	HAR	2003	NBC-WCVI_S	3	AABM	CA	0.030691
LC	HAR	2003	ISBM-CA_T-N	4	ISBM	CA	0
LC	HAR	2003	ISBM-CA_S(inside)	5	ISBM	CA	0.012788
LC	HAR	2003	Fraser_N	6	ISBM	CA	0
LC	HAR	2003	ISBM-CA_S(SOG)	7	ISBM	CA	0.023018
LC	HAR	2003	ISBM-CA_S(JdF)	8	ISBM	CA	0.023018
LC	HAR	2003	ISBM-SUS_T-N-S	9	ISBM	US	0.109974
LC	HAR	2003	ISBM-CA_N(freshwater)	10	ISBM	CA	0.02046
LC	HAR	2003	ISBM-CA_S(freshwater)	11	ISBM	CA	0
LC	HAR	2003	Esc_Stray	12	Esc_Stray	Either	0.005115
LC	HAR	2003	Escapement	13	Esc	CA	0.657289
LC	HAR	2004	SEAK_T-N-S	1	AABM	US	0.009328
LC	HAR	2004	NBC-WCVI_T	2	AABM	CA	0.188433
LC	HAR	2004	NBC-WCVI_S	3	AABM	CA	0.057836
LC	HAR	2004	ISBM-CA_T-N	4	ISBM	CA	0
LC	HAR	2004	ISBM-CA_S(inside)	5	ISBM	CA	0
LC	HAR	2004	Fraser_N	6	ISBM	CA	0
LC	HAR	2004	ISBM-CA_S(SOG)	7	ISBM	CA	0
LC	HAR	2004	ISBM-CA_S(JdF)	8	ISBM	CA	0.007463
LC	HAR	2004	ISBM-SUS_T-N-S	9	ISBM	US	0.171642
LC	HAR	2004	ISBM-CA_N(freshwater)	10	ISBM	CA	0.026119
LC	HAR	2004	ISBM-CA_S(freshwater)	11	ISBM	CA	0
LC	HAR	2004	Esc_Stray	12	Esc_Stray	Either	0
LC	HAR	2004	Escapement	13	Esc	CA	0.539179

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MortType	Stock	Year	Fishery	FisheryNun	FisheryType	FisheryCou	Prop_Mort
LC	HAR	2005	SEAK_T-N-S	1	AABM	US	0
LC	HAR	2005	NBC-WCVI_T	2	AABM	CA	0.14121
LC	HAR	2005	NBC-WCVI_S	3	AABM	CA	0.036023
LC	HAR	2005	ISBM-CA_T-N	4	ISBM	CA	0
LC	HAR	2005	ISBM-CA_S(inside)	5	ISBM	CA	0
LC	HAR	2005	Fraser_N	6	ISBM	CA	0
LC	HAR	2005	ISBM-CA_S(SOG)	7	ISBM	CA	0.036023
LC	HAR	2005	ISBM-CA_S(JdF)	8	ISBM	CA	0.023055
LC	HAR	2005	ISBM-SUS_T-N-S	9	ISBM	US	0.090778
LC	HAR	2005	ISBM-CA_N(freshwater)	10	ISBM	CA	0.053314
LC	HAR	2005	ISBM-CA_S(freshwater)	11	ISBM	CA	0
LC	HAR	2005	Esc_Stray	12	Esc_Stray	Either	0.012968
LC	HAR	2005	Escapement	13	Esc	CA	0.606628
LC	HAR	2006	SEAK_T-N-S	1	AABM	US	0.01005
LC	HAR	2006	NBC-WCVI_T	2	AABM	CA	0.213568
LC	HAR	2006	NBC-WCVI_S	3	AABM	CA	0.052764
LC	HAR	2006	ISBM-CA_T-N	4	ISBM	CA	0
LC	HAR	2006	ISBM-CA_S(inside)	5	ISBM	CA	0
LC	HAR	2006	Fraser_N	6	ISBM	CA	0
LC	HAR	2006	ISBM-CA_S(SOG)	7	ISBM	CA	0
LC	HAR	2006	ISBM-CA_S(JdF)	8	ISBM	CA	0.025126
LC	HAR	2006	ISBM-SUS_T-N-S	9	ISBM	US	0.155779
LC	HAR	2006	ISBM-CA_N(freshwater)	10	ISBM	CA	0
LC	HAR	2006	ISBM-CA_S(freshwater)	11	ISBM	CA	0
LC	HAR	2006	Esc_Stray	12	Esc_Stray	Either	0
LC	HAR	2006	Escapement	13	Esc	CA	0.542714
LC	HAR	2007	SEAK_T-N-S	1	AABM	US	0
LC	HAR	2007	NBC-WCVI_T	2	AABM	CA	0.081433
LC	HAR	2007	NBC-WCVI_S	3	AABM	CA	0.004343
LC	HAR	2007	ISBM-CA_T-N	4	ISBM	CA	0
LC	HAR	2007	ISBM-CA_S(inside)	5	ISBM	CA	0.005429
LC	HAR	2007	Fraser_N	6	ISBM	CA	0
LC	HAR	2007	ISBM-CA_S(SOG)	7	ISBM	CA	0.010858
LC	HAR	2007	ISBM-CA_S(JdF)	8	ISBM	CA	0
LC	HAR	2007	ISBM-SUS_T-N-S	9	ISBM	US	0.008686
LC	HAR	2007	ISBM-CA_N(freshwater)	10	ISBM	CA	0
LC	HAR	2007	ISBM-CA_S(freshwater)	11	ISBM	CA	0
LC	HAR	2007	Esc_Stray	12	Esc_Stray	Either	0
LC	HAR	2007	Escapement	13	Esc	CA	0.889251
LC	HAR	2008	SEAK_T-N-S	1	AABM	US	0.00489
LC	HAR	2008	NBC-WCVI_T	2	AABM	CA	0.261614
LC	HAR	2008	NBC-WCVI_S	3	AABM	CA	0.08802
LC	HAR	2008	ISBM-CA_T-N	4	ISBM	CA	0.001222
LC	HAR	2008	ISBM-CA_S(inside)	5	ISBM	CA	0.01467
LC	HAR	2008	Fraser_N	6	ISBM	CA	0
LC	HAR	2008	ISBM-CA_S(SOG)	7	ISBM	CA	0.031785

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MortType	Stock	Year	Fishery	FisheryNun	FisheryType	FisheryCou	Prop_Mort
LC	HAR	2008	ISBM-CA_S(JdF)	8	ISBM	CA	0.012225
LC	HAR	2008	ISBM-SUS_T-N-S	9	ISBM	US	0.085575
LC	HAR	2008	ISBM-CA_N(freshwater)	10	ISBM	CA	0.00489
LC	HAR	2008	ISBM-CA_S(freshwater)	11	ISBM	CA	0
LC	HAR	2008	Esc_Stray	12	Esc_Stray	Either	0
LC	HAR	2008	Escapement	13	Esc	CA	0.49511
LC	HAR	2009	SEAK_T-N-S	1	AABM	US	0
LC	HAR	2009	NBC-WCVI_T	2	AABM	CA	0.012381
LC	HAR	2009	NBC-WCVI_S	3	AABM	CA	0.030476
LC	HAR	2009	ISBM-CA_T-N	4	ISBM	CA	0
LC	HAR	2009	ISBM-CA_S(inside)	5	ISBM	CA	0
LC	HAR	2009	Fraser_N	6	ISBM	CA	0
LC	HAR	2009	ISBM-CA_S(SOG)	7	ISBM	CA	0.026191
LC	HAR	2009	ISBM-CA_S(JdF)	8	ISBM	CA	0.002381
LC	HAR	2009	ISBM-SUS_T-N-S	9	ISBM	US	0.017619
LC	HAR	2009	ISBM-CA_N(freshwater)	10	ISBM	CA	0.015714
LC	HAR	2009	ISBM-CA_S(freshwater)	11	ISBM	CA	0.015714
LC	HAR	2009	Esc_Stray	12	Esc_Stray	Either	0.000476
LC	HAR	2009	Escapement	13	Esc	CA	0.879048
LC	HAR	2010	SEAK_T-N-S	1	AABM	US	0.004149
LC	HAR	2010	NBC-WCVI_T	2	AABM	CA	0.040975
LC	HAR	2010	NBC-WCVI_S	3	AABM	CA	0.031639
LC	HAR	2010	ISBM-CA_T-N	4	ISBM	CA	0
LC	HAR	2010	ISBM-CA_S(inside)	5	ISBM	CA	0.006743
LC	HAR	2010	Fraser_N	6	ISBM	CA	0
LC	HAR	2010	ISBM-CA_S(SOG)	7	ISBM	CA	0.02749
LC	HAR	2010	ISBM-CA_S(JdF)	8	ISBM	CA	0.013486
LC	HAR	2010	ISBM-SUS_T-N-S	9	ISBM	US	0.065871
LC	HAR	2010	ISBM-CA_N(freshwater)	10	ISBM	CA	0.010892
LC	HAR	2010	ISBM-CA_S(freshwater)	11	ISBM	CA	0.003112
LC	HAR	2010	Esc_Stray	12	Esc_Stray	Either	0.000519
LC	HAR	2010	Escapement	13	Esc	CA	0.795124
LC	HAR	2011	SEAK_T-N-S	1	AABM	US	0.002263
LC	HAR	2011	NBC-WCVI_T	2	AABM	CA	0.034327
LC	HAR	2011	NBC-WCVI_S	3	AABM	CA	0.050547
LC	HAR	2011	ISBM-CA_T-N	4	ISBM	CA	0
LC	HAR	2011	ISBM-CA_S(inside)	5	ISBM	CA	0.010185
LC	HAR	2011	Fraser_N	6	ISBM	CA	0.00679
LC	HAR	2011	ISBM-CA_S(SOG)	7	ISBM	CA	0.033195
LC	HAR	2011	ISBM-CA_S(JdF)	8	ISBM	CA	0.002263
LC	HAR	2011	ISBM-SUS_T-N-S	9	ISBM	US	0.055451
LC	HAR	2011	ISBM-CA_N(freshwater)	10	ISBM	CA	0.013957
LC	HAR	2011	ISBM-CA_S(freshwater)	11	ISBM	CA	0
LC	HAR	2011	Esc_Stray	12	Esc_Stray	Either	0
LC	HAR	2011	Escapement	13	Esc	CA	0.791022
LC	HAR	2012	SEAK_T-N-S	1	AABM	US	0.002071

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MortType	Stock	Year	Fishery	FisheryNun	FisheryType	FisheryCou	Prop_Mort
LC	HAR	2012	NBC-WCVI_T	2	AABM	CA	0.012947
LC	HAR	2012	NBC-WCVI_S	3	AABM	CA	0.005697
LC	HAR	2012	ISBM-CA_T-N	4	ISBM	CA	0
LC	HAR	2012	ISBM-CA_S(inside)	5	ISBM	CA	0.003107
LC	HAR	2012	Fraser_N	6	ISBM	CA	0.001036
LC	HAR	2012	ISBM-CA_S(SOG)	7	ISBM	CA	0.051269
LC	HAR	2012	ISBM-CA_S(JdF)	8	ISBM	CA	0.010875
LC	HAR	2012	ISBM-SUS_T-N-S	9	ISBM	US	0.061626
LC	HAR	2012	ISBM-CA_N(freshwater)	10	ISBM	CA	0.003625
LC	HAR	2012	ISBM-CA_S(freshwater)	11	ISBM	CA	0.009322
LC	HAR	2012	Esc_Stray	12	Esc_Stray	Either	0.000518
LC	HAR	2012	Escapement	13	Esc	CA	0.837908
LC	HAR	2013	SEAK_T-N-S	1	AABM	US	0.001246
LC	HAR	2013	NBC-WCVI_T	2	AABM	CA	0.019321
LC	HAR	2013	NBC-WCVI_S	3	AABM	CA	0.020256
LC	HAR	2013	ISBM-CA_T-N	4	ISBM	CA	0
LC	HAR	2013	ISBM-CA_S(inside)	5	ISBM	CA	0.002805
LC	HAR	2013	Fraser_N	6	ISBM	CA	0.004051
LC	HAR	2013	ISBM-CA_S(SOG)	7	ISBM	CA	0.042069
LC	HAR	2013	ISBM-CA_S(JdF)	8	ISBM	CA	0.003428
LC	HAR	2013	ISBM-SUS_T-N-S	9	ISBM	US	0.083515
LC	HAR	2013	ISBM-CA_N(freshwater)	10	ISBM	CA	0
LC	HAR	2013	ISBM-CA_S(freshwater)	11	ISBM	CA	0.004674
LC	HAR	2013	Esc_Stray	12	Esc_Stray	Either	0.013711
LC	HAR	2013	Escapement	13	Esc	CA	0.804924
LC	HAR	2014	SEAK_T-N-S	1	AABM	US	0.005114
LC	HAR	2014	NBC-WCVI_T	2	AABM	CA	0.039981
LC	HAR	2014	NBC-WCVI_S	3	AABM	CA	0.008368
LC	HAR	2014	ISBM-CA_T-N	4	ISBM	CA	0
LC	HAR	2014	ISBM-CA_S(inside)	5	ISBM	CA	0.003254
LC	HAR	2014	Fraser_N	6	ISBM	CA	0.011623
LC	HAR	2014	ISBM-CA_S(SOG)	7	ISBM	CA	0.108322
LC	HAR	2014	ISBM-CA_S(JdF)	8	ISBM	CA	0.006974
LC	HAR	2014	ISBM-SUS_T-N-S	9	ISBM	US	0.084147
LC	HAR	2014	ISBM-CA_N(freshwater)	10	ISBM	CA	0.034403
LC	HAR	2014	ISBM-CA_S(freshwater)	11	ISBM	CA	0
LC	HAR	2014	Esc_Stray	12	Esc_Stray	Either	0
LC	HAR	2014	Escapement	13	Esc	CA	0.697815
LC	HAR	2015	SEAK_T-N-S	1	AABM	US	0.001701
LC	HAR	2015	NBC-WCVI_T	2	AABM	CA	0.013039
LC	HAR	2015	NBC-WCVI_S	3	AABM	CA	0.008503
LC	HAR	2015	ISBM-CA_T-N	4	ISBM	CA	0
LC	HAR	2015	ISBM-CA_S(inside)	5	ISBM	CA	0
LC	HAR	2015	Fraser_N	6	ISBM	CA	0.011905
LC	HAR	2015	ISBM-CA_S(SOG)	7	ISBM	CA	0.066893
LC	HAR	2015	ISBM-CA_S(JdF)	8	ISBM	CA	0.015873

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MortType	Stock	Year	Fishery	FisheryNun	FisheryType	FisheryCou	Prop_Mort
LC	HAR	2015	ISBM-SUS_T-N-S	9	ISBM	US	0.056689
LC	HAR	2015	ISBM-CA_N(freshwater)	10	ISBM	CA	0.021542
LC	HAR	2015	ISBM-CA_S(freshwater)	11	ISBM	CA	0.003401
LC	HAR	2015	Esc_Stray	12	Esc_Stray	Either	0
LC	HAR	2015	Escapement	13	Esc	CA	0.800454
LC	HAR	2016	SEAK_T-N-S	1	AABM	US	0.005978
LC	HAR	2016	NBC-WCVI_T	2	AABM	CA	0.009167
LC	HAR	2016	NBC-WCVI_S	3	AABM	CA	0.023515
LC	HAR	2016	ISBM-CA_T-N	4	ISBM	CA	0
LC	HAR	2016	ISBM-CA_S(inside)	5	ISBM	CA	0
LC	HAR	2016	Fraser_N	6	ISBM	CA	0.002391
LC	HAR	2016	ISBM-CA_S(SOG)	7	ISBM	CA	0.055002
LC	HAR	2016	ISBM-CA_S(JdF)	8	ISBM	CA	0.00837
LC	HAR	2016	ISBM-SUS_T-N-S	9	ISBM	US	0.019928
LC	HAR	2016	ISBM-CA_N(freshwater)	10	ISBM	CA	0.017537
LC	HAR	2016	ISBM-CA_S(freshwater)	11	ISBM	CA	0.003986
LC	HAR	2016	Esc_Stray	12	Esc_Stray	Either	0.009167
LC	HAR	2016	Escapement	13	Esc	CA	0.844958
LC	HAR	2017	SEAK_T-N-S	1	AABM	US	0
LC	HAR	2017	NBC-WCVI_T	2	AABM	CA	0.02525
LC	HAR	2017	NBC-WCVI_S	3	AABM	CA	0.064592
LC	HAR	2017	ISBM-CA_T-N	4	ISBM	CA	0
LC	HAR	2017	ISBM-CA_S(inside)	5	ISBM	CA	0.001762
LC	HAR	2017	Fraser_N	6	ISBM	CA	0.006459
LC	HAR	2017	ISBM-CA_S(SOG)	7	ISBM	CA	0.149736
LC	HAR	2017	ISBM-CA_S(JdF)	8	ISBM	CA	0.017029
LC	HAR	2017	ISBM-SUS_T-N-S	9	ISBM	US	0.093952
LC	HAR	2017	ISBM-CA_N(freshwater)	10	ISBM	CA	0.008221
LC	HAR	2017	ISBM-CA_S(freshwater)	11	ISBM	CA	0
LC	HAR	2017	Esc_Stray	12	Esc_Stray	Either	0.000587
LC	HAR	2017	Escapement	13	Esc	CA	0.632413
LC	HAR	2018	SEAK_T-N-S	1	AABM	US	0.001556
LC	HAR	2018	NBC-WCVI_T	2	AABM	CA	0.007523
LC	HAR	2018	NBC-WCVI_S	3	AABM	CA	0.026978
LC	HAR	2018	ISBM-CA_T-N	4	ISBM	CA	0
LC	HAR	2018	ISBM-CA_S(inside)	5	ISBM	CA	0.000259
LC	HAR	2018	Fraser_N	6	ISBM	CA	0.003372
LC	HAR	2018	ISBM-CA_S(SOG)	7	ISBM	CA	0.089754
LC	HAR	2018	ISBM-CA_S(JdF)	8	ISBM	CA	0.004669
LC	HAR	2018	ISBM-SUS_T-N-S	9	ISBM	US	0.076265
LC	HAR	2018	ISBM-CA_N(freshwater)	10	ISBM	CA	0.031907
LC	HAR	2018	ISBM-CA_S(freshwater)	11	ISBM	CA	0.000519
LC	HAR	2018	Esc_Stray	12	Esc_Stray	Either	0.018936
LC	HAR	2018	Escapement	13	Esc	CA	0.738262
TM	HAR	1979	SEAK_T-N-S	1	AABM	US	NA
TM	HAR	1979	NBC-WCVI_T	2	AABM	CA	NA

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MortType	Stock	Year	Fishery	FisheryNun	FisheryTyp	FisheryCou	Prop_Mort
TM	HAR	1979	NBC-WCVI_S	3	AABM	CA	NA
TM	HAR	1979	ISBM-CA_T-N	4	ISBM	CA	NA
TM	HAR	1979	ISBM-CA_S(inside)	5	ISBM	CA	NA
TM	HAR	1979	Fraser_N	6	ISBM	CA	NA
TM	HAR	1979	ISBM-CA_S(SOG)	7	ISBM	CA	NA
TM	HAR	1979	ISBM-CA_S(JdF)	8	ISBM	CA	NA
TM	HAR	1979	ISBM-SUS_T-N-S	9	ISBM	US	NA
TM	HAR	1979	ISBM-CA_N(freshwater)	10	ISBM	CA	NA
TM	HAR	1979	ISBM-CA_S(freshwater)	11	ISBM	CA	NA
TM	HAR	1979	Esc_Stray	12	Esc_Stray	Either	NA
TM	HAR	1979	Escapement	13	Esc	CA	NA
TM	HAR	1980	SEAK_T-N-S	1	AABM	US	NA
TM	HAR	1980	NBC-WCVI_T	2	AABM	CA	NA
TM	HAR	1980	NBC-WCVI_S	3	AABM	CA	NA
TM	HAR	1980	ISBM-CA_T-N	4	ISBM	CA	NA
TM	HAR	1980	ISBM-CA_S(inside)	5	ISBM	CA	NA
TM	HAR	1980	Fraser_N	6	ISBM	CA	NA
TM	HAR	1980	ISBM-CA_S(SOG)	7	ISBM	CA	NA
TM	HAR	1980	ISBM-CA_S(JdF)	8	ISBM	CA	NA
TM	HAR	1980	ISBM-SUS_T-N-S	9	ISBM	US	NA
TM	HAR	1980	ISBM-CA_N(freshwater)	10	ISBM	CA	NA
TM	HAR	1980	ISBM-CA_S(freshwater)	11	ISBM	CA	NA
TM	HAR	1980	Esc_Stray	12	Esc_Stray	Either	NA
TM	HAR	1980	Escapement	13	Esc	CA	NA
TM	HAR	1981	SEAK_T-N-S	1	AABM	US	NA
TM	HAR	1981	NBC-WCVI_T	2	AABM	CA	NA
TM	HAR	1981	NBC-WCVI_S	3	AABM	CA	NA
TM	HAR	1981	ISBM-CA_T-N	4	ISBM	CA	NA
TM	HAR	1981	ISBM-CA_S(inside)	5	ISBM	CA	NA
TM	HAR	1981	Fraser_N	6	ISBM	CA	NA
TM	HAR	1981	ISBM-CA_S(SOG)	7	ISBM	CA	NA
TM	HAR	1981	ISBM-CA_S(JdF)	8	ISBM	CA	NA
TM	HAR	1981	ISBM-SUS_T-N-S	9	ISBM	US	NA
TM	HAR	1981	ISBM-CA_N(freshwater)	10	ISBM	CA	NA
TM	HAR	1981	ISBM-CA_S(freshwater)	11	ISBM	CA	NA
TM	HAR	1981	Esc_Stray	12	Esc_Stray	Either	NA
TM	HAR	1981	Escapement	13	Esc	CA	NA
TM	HAR	1982	SEAK_T-N-S	1	AABM	US	NA
TM	HAR	1982	NBC-WCVI_T	2	AABM	CA	NA
TM	HAR	1982	NBC-WCVI_S	3	AABM	CA	NA
TM	HAR	1982	ISBM-CA_T-N	4	ISBM	CA	NA
TM	HAR	1982	ISBM-CA_S(inside)	5	ISBM	CA	NA
TM	HAR	1982	Fraser_N	6	ISBM	CA	NA
TM	HAR	1982	ISBM-CA_S(SOG)	7	ISBM	CA	NA
TM	HAR	1982	ISBM-CA_S(JdF)	8	ISBM	CA	NA
TM	HAR	1982	ISBM-SUS_T-N-S	9	ISBM	US	NA

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MortType	Stock	Year	Fishery	FisheryNun	FisheryType	FisheryCou	Prop_Mort
TM	HAR	1982	ISBM-CA_N(freshwater)	10	ISBM	CA	NA
TM	HAR	1982	ISBM-CA_S(freshwater)	11	ISBM	CA	NA
TM	HAR	1982	Esc_Stray	12	Esc_Stray	Either	NA
TM	HAR	1982	Escapement	13	Esc	CA	NA
TM	HAR	1983	SEAK_T-N-S	1	AABM	US	NA
TM	HAR	1983	NBC-WCVI_T	2	AABM	CA	NA
TM	HAR	1983	NBC-WCVI_S	3	AABM	CA	NA
TM	HAR	1983	ISBM-CA_T-N	4	ISBM	CA	NA
TM	HAR	1983	ISBM-CA_S(inside)	5	ISBM	CA	NA
TM	HAR	1983	Fraser_N	6	ISBM	CA	NA
TM	HAR	1983	ISBM-CA_S(SOG)	7	ISBM	CA	NA
TM	HAR	1983	ISBM-CA_S(JdF)	8	ISBM	CA	NA
TM	HAR	1983	ISBM-SUS_T-N-S	9	ISBM	US	NA
TM	HAR	1983	ISBM-CA_N(freshwater)	10	ISBM	CA	NA
TM	HAR	1983	ISBM-CA_S(freshwater)	11	ISBM	CA	NA
TM	HAR	1983	Esc_Stray	12	Esc_Stray	Either	NA
TM	HAR	1983	Escapement	13	Esc	CA	NA
TM	HAR	1984	SEAK_T-N-S	1	AABM	US	0.001218
TM	HAR	1984	NBC-WCVI_T	2	AABM	CA	0.298295
TM	HAR	1984	NBC-WCVI_S	3	AABM	CA	0
TM	HAR	1984	ISBM-CA_T-N	4	ISBM	CA	0.208198
TM	HAR	1984	ISBM-CA_S(inside)	5	ISBM	CA	0
TM	HAR	1984	Fraser_N	6	ISBM	CA	0.038961
TM	HAR	1984	ISBM-CA_S(SOG)	7	ISBM	CA	0.260958
TM	HAR	1984	ISBM-CA_S(JdF)	8	ISBM	CA	0.004464
TM	HAR	1984	ISBM-SUS_T-N-S	9	ISBM	US	0.085227
TM	HAR	1984	ISBM-CA_N(freshwater)	10	ISBM	CA	0
TM	HAR	1984	ISBM-CA_S(freshwater)	11	ISBM	CA	0.004058
TM	HAR	1984	Esc_Stray	12	Esc_Stray	Either	0
TM	HAR	1984	Escapement	13	Esc	CA	0.09862
TM	HAR	1985	SEAK_T-N-S	1	AABM	US	0.001706
TM	HAR	1985	NBC-WCVI_T	2	AABM	CA	0.239341
TM	HAR	1985	NBC-WCVI_S	3	AABM	CA	0.00398
TM	HAR	1985	ISBM-CA_T-N	4	ISBM	CA	0.131325
TM	HAR	1985	ISBM-CA_S(inside)	5	ISBM	CA	0.002274
TM	HAR	1985	Fraser_N	6	ISBM	CA	0.007959
TM	HAR	1985	ISBM-CA_S(SOG)	7	ISBM	CA	0.242183
TM	HAR	1985	ISBM-CA_S(JdF)	8	ISBM	CA	0
TM	HAR	1985	ISBM-SUS_T-N-S	9	ISBM	US	0.078454
TM	HAR	1985	ISBM-CA_N(freshwater)	10	ISBM	CA	0
TM	HAR	1985	ISBM-CA_S(freshwater)	11	ISBM	CA	0.003411
TM	HAR	1985	Esc_Stray	12	Esc_Stray	Either	0
TM	HAR	1985	Escapement	13	Esc	CA	0.289369
TM	HAR	1986	SEAK_T-N-S	1	AABM	US	0.015121
TM	HAR	1986	NBC-WCVI_T	2	AABM	CA	0.175403
TM	HAR	1986	NBC-WCVI_S	3	AABM	CA	0.004032

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MortType	Stock	Year	Fishery	FisheryNun	FisheryTyp	FisheryCou	Prop_Mort
TM	HAR	1986	ISBM-CA_T-N	4	ISBM	CA	0.260081
TM	HAR	1986	ISBM-CA_S(inside)	5	ISBM	CA	0.003024
TM	HAR	1986	Fraser_N	6	ISBM	CA	0.053427
TM	HAR	1986	ISBM-CA_S(SOG)	7	ISBM	CA	0.220766
TM	HAR	1986	ISBM-CA_S(JdF)	8	ISBM	CA	0.006048
TM	HAR	1986	ISBM-SUS_T-N-S	9	ISBM	US	0.050403
TM	HAR	1986	ISBM-CA_N(freshwater)	10	ISBM	CA	0
TM	HAR	1986	ISBM-CA_S(freshwater)	11	ISBM	CA	0
TM	HAR	1986	Esc_Stray	12	Esc_Stray	Either	0
TM	HAR	1986	Escapement	13	Esc	CA	0.211694
TM	HAR	1987	SEAK_T-N-S	1	AABM	US	0.008183
TM	HAR	1987	NBC-WCVI_T	2	AABM	CA	0.090016
TM	HAR	1987	NBC-WCVI_S	3	AABM	CA	0
TM	HAR	1987	ISBM-CA_T-N	4	ISBM	CA	0.11293
TM	HAR	1987	ISBM-CA_S(inside)	5	ISBM	CA	0
TM	HAR	1987	Fraser_N	6	ISBM	CA	0.036007
TM	HAR	1987	ISBM-CA_S(SOG)	7	ISBM	CA	0.250409
TM	HAR	1987	ISBM-CA_S(JdF)	8	ISBM	CA	0
TM	HAR	1987	ISBM-SUS_T-N-S	9	ISBM	US	0.12275
TM	HAR	1987	ISBM-CA_N(freshwater)	10	ISBM	CA	0
TM	HAR	1987	ISBM-CA_S(freshwater)	11	ISBM	CA	0.008183
TM	HAR	1987	Esc_Stray	12	Esc_Stray	Either	0
TM	HAR	1987	Escapement	13	Esc	CA	0.371522
TM	HAR	1988	SEAK_T-N-S	1	AABM	US	0.010229
TM	HAR	1988	NBC-WCVI_T	2	AABM	CA	0.034898
TM	HAR	1988	NBC-WCVI_S	3	AABM	CA	0.020457
TM	HAR	1988	ISBM-CA_T-N	4	ISBM	CA	0.145608
TM	HAR	1988	ISBM-CA_S(inside)	5	ISBM	CA	0.01083
TM	HAR	1988	Fraser_N	6	ISBM	CA	0.035499
TM	HAR	1988	ISBM-CA_S(SOG)	7	ISBM	CA	0.306859
TM	HAR	1988	ISBM-CA_S(JdF)	8	ISBM	CA	0
TM	HAR	1988	ISBM-SUS_T-N-S	9	ISBM	US	0.162455
TM	HAR	1988	ISBM-CA_N(freshwater)	10	ISBM	CA	0
TM	HAR	1988	ISBM-CA_S(freshwater)	11	ISBM	CA	0.003008
TM	HAR	1988	Esc_Stray	12	Esc_Stray	Either	0
TM	HAR	1988	Escapement	13	Esc	CA	0.270156
TM	HAR	1989	SEAK_T-N-S	1	AABM	US	0.002041
TM	HAR	1989	NBC-WCVI_T	2	AABM	CA	0.24449
TM	HAR	1989	NBC-WCVI_S	3	AABM	CA	0.009388
TM	HAR	1989	ISBM-CA_T-N	4	ISBM	CA	0.093469
TM	HAR	1989	ISBM-CA_S(inside)	5	ISBM	CA	0
TM	HAR	1989	Fraser_N	6	ISBM	CA	0.024898
TM	HAR	1989	ISBM-CA_S(SOG)	7	ISBM	CA	0.226122
TM	HAR	1989	ISBM-CA_S(JdF)	8	ISBM	CA	0.003673
TM	HAR	1989	ISBM-SUS_T-N-S	9	ISBM	US	0.154694
TM	HAR	1989	ISBM-CA_N(freshwater)	10	ISBM	CA	0

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MortType	Stock	Year	Fishery	FisheryNun	FisheryTyp	FisheryCou	Prop_Mort
TM	HAR	1989	ISBM-CA_S(freshwater)	11	ISBM	CA	0
TM	HAR	1989	Esc_Stray	12	Esc_Stray	Either	0
TM	HAR	1989	Escapement	13	Esc	CA	0.241224
TM	HAR	1990	SEAK_T-N-S	1	AABM	US	0.004674
TM	HAR	1990	NBC-WCVI_T	2	AABM	CA	0.202337
TM	HAR	1990	NBC-WCVI_S	3	AABM	CA	0.01202
TM	HAR	1990	ISBM-CA_T-N	4	ISBM	CA	0.064441
TM	HAR	1990	ISBM-CA_S(inside)	5	ISBM	CA	0
TM	HAR	1990	Fraser_N	6	ISBM	CA	0
TM	HAR	1990	ISBM-CA_S(SOG)	7	ISBM	CA	0.112855
TM	HAR	1990	ISBM-CA_S(JdF)	8	ISBM	CA	0.001336
TM	HAR	1990	ISBM-SUS_T-N-S	9	ISBM	US	0.145242
TM	HAR	1990	ISBM-CA_N(freshwater)	10	ISBM	CA	0.012688
TM	HAR	1990	ISBM-CA_S(freshwater)	11	ISBM	CA	0.003339
TM	HAR	1990	Esc_Stray	12	Esc_Stray	Either	0
TM	HAR	1990	Escapement	13	Esc	CA	0.441068
TM	HAR	1991	SEAK_T-N-S	1	AABM	US	0.001174
TM	HAR	1991	NBC-WCVI_T	2	AABM	CA	0.276408
TM	HAR	1991	NBC-WCVI_S	3	AABM	CA	0
TM	HAR	1991	ISBM-CA_T-N	4	ISBM	CA	0.126174
TM	HAR	1991	ISBM-CA_S(inside)	5	ISBM	CA	0
TM	HAR	1991	Fraser_N	6	ISBM	CA	0
TM	HAR	1991	ISBM-CA_S(SOG)	7	ISBM	CA	0.126174
TM	HAR	1991	ISBM-CA_S(JdF)	8	ISBM	CA	0.001761
TM	HAR	1991	ISBM-SUS_T-N-S	9	ISBM	US	0.179577
TM	HAR	1991	ISBM-CA_N(freshwater)	10	ISBM	CA	0.012324
TM	HAR	1991	ISBM-CA_S(freshwater)	11	ISBM	CA	0.003521
TM	HAR	1991	Esc_Stray	12	Esc_Stray	Either	0
TM	HAR	1991	Escapement	13	Esc	CA	0.272887
TM	HAR	1992	SEAK_T-N-S	1	AABM	US	0
TM	HAR	1992	NBC-WCVI_T	2	AABM	CA	0.185335
TM	HAR	1992	NBC-WCVI_S	3	AABM	CA	0
TM	HAR	1992	ISBM-CA_T-N	4	ISBM	CA	0.143187
TM	HAR	1992	ISBM-CA_S(inside)	5	ISBM	CA	0
TM	HAR	1992	Fraser_N	6	ISBM	CA	0
TM	HAR	1992	ISBM-CA_S(SOG)	7	ISBM	CA	0.110855
TM	HAR	1992	ISBM-CA_S(JdF)	8	ISBM	CA	0.008661
TM	HAR	1992	ISBM-SUS_T-N-S	9	ISBM	US	0.192263
TM	HAR	1992	ISBM-CA_N(freshwater)	10	ISBM	CA	0.006351
TM	HAR	1992	ISBM-CA_S(freshwater)	11	ISBM	CA	0.002309
TM	HAR	1992	Esc_Stray	12	Esc_Stray	Either	0
TM	HAR	1992	Escapement	13	Esc	CA	0.351039
TM	HAR	1993	SEAK_T-N-S	1	AABM	US	0.009658
TM	HAR	1993	NBC-WCVI_T	2	AABM	CA	0.193152
TM	HAR	1993	NBC-WCVI_S	3	AABM	CA	0
TM	HAR	1993	ISBM-CA_T-N	4	ISBM	CA	0.079895

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MortType	Stock	Year	Fishery	FisheryNun	FisheryTyp	FisheryCou	Prop_Mort
TM	HAR	1993	ISBM-CA_S(inside)	5	ISBM	CA	0
TM	HAR	1993	Fraser_N	6	ISBM	CA	0
TM	HAR	1993	ISBM-CA_S(SOG)	7	ISBM	CA	0.071115
TM	HAR	1993	ISBM-CA_S(JdF)	8	ISBM	CA	0.001756
TM	HAR	1993	ISBM-SUS_T-N-S	9	ISBM	US	0.127305
TM	HAR	1993	ISBM-CA_N(freshwater)	10	ISBM	CA	0.020193
TM	HAR	1993	ISBM-CA_S(freshwater)	11	ISBM	CA	0
TM	HAR	1993	Esc_Stray	12	Esc_Stray	Either	0
TM	HAR	1993	Escapement	13	Esc	CA	0.496927
TM	HAR	1994	SEAK_T-N-S	1	AABM	US	0
TM	HAR	1994	NBC-WCVI_T	2	AABM	CA	0.206161
TM	HAR	1994	NBC-WCVI_S	3	AABM	CA	0.023697
TM	HAR	1994	ISBM-CA_T-N	4	ISBM	CA	0.13981
TM	HAR	1994	ISBM-CA_S(inside)	5	ISBM	CA	0
TM	HAR	1994	Fraser_N	6	ISBM	CA	0
TM	HAR	1994	ISBM-CA_S(SOG)	7	ISBM	CA	0.066351
TM	HAR	1994	ISBM-CA_S(JdF)	8	ISBM	CA	0.007109
TM	HAR	1994	ISBM-SUS_T-N-S	9	ISBM	US	0.085308
TM	HAR	1994	ISBM-CA_N(freshwater)	10	ISBM	CA	0.018957
TM	HAR	1994	ISBM-CA_S(freshwater)	11	ISBM	CA	0.009479
TM	HAR	1994	Esc_Stray	12	Esc_Stray	Either	0
TM	HAR	1994	Escapement	13	Esc	CA	0.443128
TM	HAR	1995	SEAK_T-N-S	1	AABM	US	0
TM	HAR	1995	NBC-WCVI_T	2	AABM	CA	0.17931
TM	HAR	1995	NBC-WCVI_S	3	AABM	CA	0
TM	HAR	1995	ISBM-CA_T-N	4	ISBM	CA	0.025287
TM	HAR	1995	ISBM-CA_S(inside)	5	ISBM	CA	0.006897
TM	HAR	1995	Fraser_N	6	ISBM	CA	0
TM	HAR	1995	ISBM-CA_S(SOG)	7	ISBM	CA	0.167816
TM	HAR	1995	ISBM-CA_S(JdF)	8	ISBM	CA	0.004598
TM	HAR	1995	ISBM-SUS_T-N-S	9	ISBM	US	0.149425
TM	HAR	1995	ISBM-CA_N(freshwater)	10	ISBM	CA	0.02069
TM	HAR	1995	ISBM-CA_S(freshwater)	11	ISBM	CA	0.006897
TM	HAR	1995	Esc_Stray	12	Esc_Stray	Either	0.045977
TM	HAR	1995	Escapement	13	Esc	CA	0.393103
TM	HAR	1996	SEAK_T-N-S	1	AABM	US	0.001654
TM	HAR	1996	NBC-WCVI_T	2	AABM	CA	0.015716
TM	HAR	1996	NBC-WCVI_S	3	AABM	CA	0.001654
TM	HAR	1996	ISBM-CA_T-N	4	ISBM	CA	0.004963
TM	HAR	1996	ISBM-CA_S(inside)	5	ISBM	CA	0
TM	HAR	1996	Fraser_N	6	ISBM	CA	0
TM	HAR	1996	ISBM-CA_S(SOG)	7	ISBM	CA	0.229115
TM	HAR	1996	ISBM-CA_S(JdF)	8	ISBM	CA	0.003309
TM	HAR	1996	ISBM-SUS_T-N-S	9	ISBM	US	0.119107
TM	HAR	1996	ISBM-CA_N(freshwater)	10	ISBM	CA	0.003309
TM	HAR	1996	ISBM-CA_S(freshwater)	11	ISBM	CA	0.003309

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MortType	Stock	Year	Fishery	FisheryNun	FisheryTyp	FisheryCou	Prop_Mort
TM	HAR	1996	Esc_Stray	12	Esc_Stray	Either	0.000827
TM	HAR	1996	Escapement	13	Esc	CA	0.617039
TM	HAR	1997	SEAK_T-N-S	1	AABM	US	0.015276
TM	HAR	1997	NBC-WCVI_T	2	AABM	CA	0.13161
TM	HAR	1997	NBC-WCVI_S	3	AABM	CA	0.034078
TM	HAR	1997	ISBM-CA_T-N	4	ISBM	CA	0.015276
TM	HAR	1997	ISBM-CA_S(inside)	5	ISBM	CA	0.001175
TM	HAR	1997	Fraser_N	6	ISBM	CA	0
TM	HAR	1997	ISBM-CA_S(SOG)	7	ISBM	CA	0.180964
TM	HAR	1997	ISBM-CA_S(JdF)	8	ISBM	CA	0.009401
TM	HAR	1997	ISBM-SUS_T-N-S	9	ISBM	US	0.19389
TM	HAR	1997	ISBM-CA_N(freshwater)	10	ISBM	CA	0.022327
TM	HAR	1997	ISBM-CA_S(freshwater)	11	ISBM	CA	0
TM	HAR	1997	Esc_Stray	12	Esc_Stray	Either	0
TM	HAR	1997	Escapement	13	Esc	CA	0.396005
TM	HAR	1998	SEAK_T-N-S	1	AABM	US	0.008503
TM	HAR	1998	NBC-WCVI_T	2	AABM	CA	0.005952
TM	HAR	1998	NBC-WCVI_S	3	AABM	CA	0
TM	HAR	1998	ISBM-CA_T-N	4	ISBM	CA	0
TM	HAR	1998	ISBM-CA_S(inside)	5	ISBM	CA	0
TM	HAR	1998	Fraser_N	6	ISBM	CA	0
TM	HAR	1998	ISBM-CA_S(SOG)	7	ISBM	CA	0.031463
TM	HAR	1998	ISBM-CA_S(JdF)	8	ISBM	CA	0.002551
TM	HAR	1998	ISBM-SUS_T-N-S	9	ISBM	US	0.056122
TM	HAR	1998	ISBM-CA_N(freshwater)	10	ISBM	CA	0.002551
TM	HAR	1998	ISBM-CA_S(freshwater)	11	ISBM	CA	0
TM	HAR	1998	Esc_Stray	12	Esc_Stray	Either	0.008503
TM	HAR	1998	Escapement	13	Esc	CA	0.884354
TM	HAR	1999	SEAK_T-N-S	1	AABM	US	0.006405
TM	HAR	1999	NBC-WCVI_T	2	AABM	CA	0.011209
TM	HAR	1999	NBC-WCVI_S	3	AABM	CA	0.01281
TM	HAR	1999	ISBM-CA_T-N	4	ISBM	CA	0.002402
TM	HAR	1999	ISBM-CA_S(inside)	5	ISBM	CA	0.006405
TM	HAR	1999	Fraser_N	6	ISBM	CA	0
TM	HAR	1999	ISBM-CA_S(SOG)	7	ISBM	CA	0.093675
TM	HAR	1999	ISBM-CA_S(JdF)	8	ISBM	CA	0.002402
TM	HAR	1999	ISBM-SUS_T-N-S	9	ISBM	US	0.161729
TM	HAR	1999	ISBM-CA_N(freshwater)	10	ISBM	CA	0.006405
TM	HAR	1999	ISBM-CA_S(freshwater)	11	ISBM	CA	0.002402
TM	HAR	1999	Esc_Stray	12	Esc_Stray	Either	0.008807
TM	HAR	1999	Escapement	13	Esc	CA	0.685348
TM	HAR	2000	SEAK_T-N-S	1	AABM	US	0.017123
TM	HAR	2000	NBC-WCVI_T	2	AABM	CA	0.142123
TM	HAR	2000	NBC-WCVI_S	3	AABM	CA	0.042808
TM	HAR	2000	ISBM-CA_T-N	4	ISBM	CA	0
TM	HAR	2000	ISBM-CA_S(inside)	5	ISBM	CA	0

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MortType	Stock	Year	Fishery	FisheryNun	FisheryTyp	FisheryCou	Prop_Mort
TM	HAR	2000	Fraser_N	6	ISBM	CA	0
TM	HAR	2000	ISBM-CA_S(SOG)	7	ISBM	CA	0.116438
TM	HAR	2000	ISBM-CA_S(JdF)	8	ISBM	CA	0
TM	HAR	2000	ISBM-SUS_T-N-S	9	ISBM	US	0.166096
TM	HAR	2000	ISBM-CA_N(freshwater)	10	ISBM	CA	0
TM	HAR	2000	ISBM-CA_S(freshwater)	11	ISBM	CA	0
TM	HAR	2000	Esc_Stray	12	Esc_Stray	Either	0
TM	HAR	2000	Escapement	13	Esc	CA	0.515411
TM	HAR	2001	SEAK_T-N-S	1	AABM	US	0.003188
TM	HAR	2001	NBC-WCVI_T	2	AABM	CA	0.060574
TM	HAR	2001	NBC-WCVI_S	3	AABM	CA	0.021254
TM	HAR	2001	ISBM-CA_T-N	4	ISBM	CA	0
TM	HAR	2001	ISBM-CA_S(inside)	5	ISBM	CA	0
TM	HAR	2001	Fraser_N	6	ISBM	CA	0
TM	HAR	2001	ISBM-CA_S(SOG)	7	ISBM	CA	0.064825
TM	HAR	2001	ISBM-CA_S(JdF)	8	ISBM	CA	0
TM	HAR	2001	ISBM-SUS_T-N-S	9	ISBM	US	0.123273
TM	HAR	2001	ISBM-CA_N(freshwater)	10	ISBM	CA	0
TM	HAR	2001	ISBM-CA_S(freshwater)	11	ISBM	CA	0
TM	HAR	2001	Esc_Stray	12	Esc_Stray	Either	0.005314
TM	HAR	2001	Escapement	13	Esc	CA	0.721573
TM	HAR	2002	SEAK_T-N-S	1	AABM	US	0.004008
TM	HAR	2002	NBC-WCVI_T	2	AABM	CA	0.086172
TM	HAR	2002	NBC-WCVI_S	3	AABM	CA	0.022044
TM	HAR	2002	ISBM-CA_T-N	4	ISBM	CA	0.054108
TM	HAR	2002	ISBM-CA_S(inside)	5	ISBM	CA	0
TM	HAR	2002	Fraser_N	6	ISBM	CA	0
TM	HAR	2002	ISBM-CA_S(SOG)	7	ISBM	CA	0.064128
TM	HAR	2002	ISBM-CA_S(JdF)	8	ISBM	CA	0.014028
TM	HAR	2002	ISBM-SUS_T-N-S	9	ISBM	US	0.166333
TM	HAR	2002	ISBM-CA_N(freshwater)	10	ISBM	CA	0.008016
TM	HAR	2002	ISBM-CA_S(freshwater)	11	ISBM	CA	0
TM	HAR	2002	Esc_Stray	12	Esc_Stray	Either	0.002004
TM	HAR	2002	Escapement	13	Esc	CA	0.579158
TM	HAR	2003	SEAK_T-N-S	1	AABM	US	0.016827
TM	HAR	2003	NBC-WCVI_T	2	AABM	CA	0.108173
TM	HAR	2003	NBC-WCVI_S	3	AABM	CA	0.038462
TM	HAR	2003	ISBM-CA_T-N	4	ISBM	CA	0
TM	HAR	2003	ISBM-CA_S(inside)	5	ISBM	CA	0.012019
TM	HAR	2003	Fraser_N	6	ISBM	CA	0
TM	HAR	2003	ISBM-CA_S(SOG)	7	ISBM	CA	0.03125
TM	HAR	2003	ISBM-CA_S(JdF)	8	ISBM	CA	0.024039
TM	HAR	2003	ISBM-SUS_T-N-S	9	ISBM	US	0.127404
TM	HAR	2003	ISBM-CA_N(freshwater)	10	ISBM	CA	0.019231
TM	HAR	2003	ISBM-CA_S(freshwater)	11	ISBM	CA	0
TM	HAR	2003	Esc_Stray	12	Esc_Stray	Either	0.004808

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MortType	Stock	Year	Fishery	FisheryNun	FisheryType	FisheryCou	Prop_Mort
TM	HAR	2003	Escapement	13	Esc	CA	0.617788
TM	HAR	2004	SEAK_T-N-S	1	AABM	US	0.012259
TM	HAR	2004	NBC-WCVI_T	2	AABM	CA	0.185639
TM	HAR	2004	NBC-WCVI_S	3	AABM	CA	0.064799
TM	HAR	2004	ISBM-CA_T-N	4	ISBM	CA	0
TM	HAR	2004	ISBM-CA_S(inside)	5	ISBM	CA	0
TM	HAR	2004	Fraser_N	6	ISBM	CA	0
TM	HAR	2004	ISBM-CA_S(SOG)	7	ISBM	CA	0
TM	HAR	2004	ISBM-CA_S(JdF)	8	ISBM	CA	0.007005
TM	HAR	2004	ISBM-SUS_T-N-S	9	ISBM	US	0.19965
TM	HAR	2004	ISBM-CA_N(freshwater)	10	ISBM	CA	0.024518
TM	HAR	2004	ISBM-CA_S(freshwater)	11	ISBM	CA	0
TM	HAR	2004	Esc_Stray	12	Esc_Stray	Either	0
TM	HAR	2004	Escapement	13	Esc	CA	0.50613
TM	HAR	2005	SEAK_T-N-S	1	AABM	US	0
TM	HAR	2005	NBC-WCVI_T	2	AABM	CA	0.146006
TM	HAR	2005	NBC-WCVI_S	3	AABM	CA	0.041322
TM	HAR	2005	ISBM-CA_T-N	4	ISBM	CA	0
TM	HAR	2005	ISBM-CA_S(inside)	5	ISBM	CA	0
TM	HAR	2005	Fraser_N	6	ISBM	CA	0
TM	HAR	2005	ISBM-CA_S(SOG)	7	ISBM	CA	0.044077
TM	HAR	2005	ISBM-CA_S(JdF)	8	ISBM	CA	0.024793
TM	HAR	2005	ISBM-SUS_T-N-S	9	ISBM	US	0.100551
TM	HAR	2005	ISBM-CA_N(freshwater)	10	ISBM	CA	0.050964
TM	HAR	2005	ISBM-CA_S(freshwater)	11	ISBM	CA	0
TM	HAR	2005	Esc_Stray	12	Esc_Stray	Either	0.012397
TM	HAR	2005	Escapement	13	Esc	CA	0.57989
TM	HAR	2006	SEAK_T-N-S	1	AABM	US	0.009756
TM	HAR	2006	NBC-WCVI_T	2	AABM	CA	0.212195
TM	HAR	2006	NBC-WCVI_S	3	AABM	CA	0.058537
TM	HAR	2006	ISBM-CA_T-N	4	ISBM	CA	0
TM	HAR	2006	ISBM-CA_S(inside)	5	ISBM	CA	0
TM	HAR	2006	Fraser_N	6	ISBM	CA	0
TM	HAR	2006	ISBM-CA_S(SOG)	7	ISBM	CA	0.002439
TM	HAR	2006	ISBM-CA_S(JdF)	8	ISBM	CA	0.026829
TM	HAR	2006	ISBM-SUS_T-N-S	9	ISBM	US	0.163415
TM	HAR	2006	ISBM-CA_N(freshwater)	10	ISBM	CA	0
TM	HAR	2006	ISBM-CA_S(freshwater)	11	ISBM	CA	0
TM	HAR	2006	Esc_Stray	12	Esc_Stray	Either	0
TM	HAR	2006	Escapement	13	Esc	CA	0.526829
TM	HAR	2007	SEAK_T-N-S	1	AABM	US	0
TM	HAR	2007	NBC-WCVI_T	2	AABM	CA	0.094359
TM	HAR	2007	NBC-WCVI_S	3	AABM	CA	0.010256
TM	HAR	2007	ISBM-CA_T-N	4	ISBM	CA	0
TM	HAR	2007	ISBM-CA_S(inside)	5	ISBM	CA	0.006154
TM	HAR	2007	Fraser_N	6	ISBM	CA	0

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MortType	Stock	Year	Fishery	FisheryNun	FisheryTyp	FisheryCou	Prop_Mort
TM	HAR	2007	ISBM-CA_S(SOG)	7	ISBM	CA	0.025641
TM	HAR	2007	ISBM-CA_S(JdF)	8	ISBM	CA	0
TM	HAR	2007	ISBM-SUS_T-N-S	9	ISBM	US	0.02359
TM	HAR	2007	ISBM-CA_N(freshwater)	10	ISBM	CA	0
TM	HAR	2007	ISBM-CA_S(freshwater)	11	ISBM	CA	0
TM	HAR	2007	Esc_Stray	12	Esc_Stray	Either	0
TM	HAR	2007	Escapement	13	Esc	CA	0.84
TM	HAR	2008	SEAK_T-N-S	1	AABM	US	0.005794
TM	HAR	2008	NBC-WCVI_T	2	AABM	CA	0.253766
TM	HAR	2008	NBC-WCVI_S	3	AABM	CA	0.097335
TM	HAR	2008	ISBM-CA_T-N	4	ISBM	CA	0.001159
TM	HAR	2008	ISBM-CA_S(inside)	5	ISBM	CA	0.015064
TM	HAR	2008	Fraser_N	6	ISBM	CA	0
TM	HAR	2008	ISBM-CA_S(SOG)	7	ISBM	CA	0.047509
TM	HAR	2008	ISBM-CA_S(JdF)	8	ISBM	CA	0.012746
TM	HAR	2008	ISBM-SUS_T-N-S	9	ISBM	US	0.0927
TM	HAR	2008	ISBM-CA_N(freshwater)	10	ISBM	CA	0.004635
TM	HAR	2008	ISBM-CA_S(freshwater)	11	ISBM	CA	0
TM	HAR	2008	Esc_Stray	12	Esc_Stray	Either	0
TM	HAR	2008	Escapement	13	Esc	CA	0.469293
TM	HAR	2009	SEAK_T-N-S	1	AABM	US	0.000454
TM	HAR	2009	NBC-WCVI_T	2	AABM	CA	0.016341
TM	HAR	2009	NBC-WCVI_S	3	AABM	CA	0.036768
TM	HAR	2009	ISBM-CA_T-N	4	ISBM	CA	0
TM	HAR	2009	ISBM-CA_S(inside)	5	ISBM	CA	0.000908
TM	HAR	2009	Fraser_N	6	ISBM	CA	0
TM	HAR	2009	ISBM-CA_S(SOG)	7	ISBM	CA	0.039492
TM	HAR	2009	ISBM-CA_S(JdF)	8	ISBM	CA	0.003631
TM	HAR	2009	ISBM-SUS_T-N-S	9	ISBM	US	0.033137
TM	HAR	2009	ISBM-CA_N(freshwater)	10	ISBM	CA	0.01498
TM	HAR	2009	ISBM-CA_S(freshwater)	11	ISBM	CA	0.015887
TM	HAR	2009	Esc_Stray	12	Esc_Stray	Either	0.000454
TM	HAR	2009	Escapement	13	Esc	CA	0.837948
TM	HAR	2010	SEAK_T-N-S	1	AABM	US	0.006487
TM	HAR	2010	NBC-WCVI_T	2	AABM	CA	0.041417
TM	HAR	2010	NBC-WCVI_S	3	AABM	CA	0.037425
TM	HAR	2010	ISBM-CA_T-N	4	ISBM	CA	0
TM	HAR	2010	ISBM-CA_S(inside)	5	ISBM	CA	0.006986
TM	HAR	2010	Fraser_N	6	ISBM	CA	0
TM	HAR	2010	ISBM-CA_S(SOG)	7	ISBM	CA	0.036926
TM	HAR	2010	ISBM-CA_S(JdF)	8	ISBM	CA	0.013972
TM	HAR	2010	ISBM-SUS_T-N-S	9	ISBM	US	0.077844
TM	HAR	2010	ISBM-CA_N(freshwater)	10	ISBM	CA	0.010479
TM	HAR	2010	ISBM-CA_S(freshwater)	11	ISBM	CA	0.002994
TM	HAR	2010	Esc_Stray	12	Esc_Stray	Either	0.000499
TM	HAR	2010	Escapement	13	Esc	CA	0.76497

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MortType	Stock	Year	Fishery	FisheryNun	FisheryTyp	FisheryCou	Prop_Mort
TM	HAR	2011	SEAK_T-N-S	1	AABM	US	0.002566
TM	HAR	2011	NBC-WCVI_T	2	AABM	CA	0.034458
TM	HAR	2011	NBC-WCVI_S	3	AABM	CA	0.056452
TM	HAR	2011	ISBM-CA_T-N	4	ISBM	CA	0
TM	HAR	2011	ISBM-CA_S(inside)	5	ISBM	CA	0.010997
TM	HAR	2011	Fraser_N	6	ISBM	CA	0.008065
TM	HAR	2011	ISBM-CA_S(SOG)	7	ISBM	CA	0.039223
TM	HAR	2011	ISBM-CA_S(JdF)	8	ISBM	CA	0.002199
TM	HAR	2011	ISBM-SUS_T-N-S	9	ISBM	US	0.063783
TM	HAR	2011	ISBM-CA_N(freshwater)	10	ISBM	CA	0.013563
TM	HAR	2011	ISBM-CA_S(freshwater)	11	ISBM	CA	0
TM	HAR	2011	Esc_Stray	12	Esc_Stray	Either	0
TM	HAR	2011	Escapement	13	Esc	CA	0.768695
TM	HAR	2012	SEAK_T-N-S	1	AABM	US	0.002392
TM	HAR	2012	NBC-WCVI_T	2	AABM	CA	0.013397
TM	HAR	2012	NBC-WCVI_S	3	AABM	CA	0.006699
TM	HAR	2012	ISBM-CA_T-N	4	ISBM	CA	0
TM	HAR	2012	ISBM-CA_S(inside)	5	ISBM	CA	0.003349
TM	HAR	2012	Fraser_N	6	ISBM	CA	0.000957
TM	HAR	2012	ISBM-CA_S(SOG)	7	ISBM	CA	0.08134
TM	HAR	2012	ISBM-CA_S(JdF)	8	ISBM	CA	0.011483
TM	HAR	2012	ISBM-SUS_T-N-S	9	ISBM	US	0.093301
TM	HAR	2012	ISBM-CA_N(freshwater)	10	ISBM	CA	0.003349
TM	HAR	2012	ISBM-CA_S(freshwater)	11	ISBM	CA	0.009091
TM	HAR	2012	Esc_Stray	12	Esc_Stray	Either	0.000478
TM	HAR	2012	Escapement	13	Esc	CA	0.774163
TM	HAR	2013	SEAK_T-N-S	1	AABM	US	0.002302
TM	HAR	2013	NBC-WCVI_T	2	AABM	CA	0.020144
TM	HAR	2013	NBC-WCVI_S	3	AABM	CA	0.023309
TM	HAR	2013	ISBM-CA_T-N	4	ISBM	CA	0
TM	HAR	2013	ISBM-CA_S(inside)	5	ISBM	CA	0.003165
TM	HAR	2013	Fraser_N	6	ISBM	CA	0.01036
TM	HAR	2013	ISBM-CA_S(SOG)	7	ISBM	CA	0.068777
TM	HAR	2013	ISBM-CA_S(JdF)	8	ISBM	CA	0.003741
TM	HAR	2013	ISBM-SUS_T-N-S	9	ISBM	US	0.107626
TM	HAR	2013	ISBM-CA_N(freshwater)	10	ISBM	CA	0
TM	HAR	2013	ISBM-CA_S(freshwater)	11	ISBM	CA	0.004604
TM	HAR	2013	Esc_Stray	12	Esc_Stray	Either	0.012662
TM	HAR	2013	Escapement	13	Esc	CA	0.743309
TM	HAR	2014	SEAK_T-N-S	1	AABM	US	0.006599
TM	HAR	2014	NBC-WCVI_T	2	AABM	CA	0.039155
TM	HAR	2014	NBC-WCVI_S	3	AABM	CA	0.008799
TM	HAR	2014	ISBM-CA_T-N	4	ISBM	CA	0.00044
TM	HAR	2014	ISBM-CA_S(inside)	5	ISBM	CA	0.00352
TM	HAR	2014	Fraser_N	6	ISBM	CA	0.019358
TM	HAR	2014	ISBM-CA_S(SOG)	7	ISBM	CA	0.127585

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MortType	Stock	Year	Fishery	FisheryNun	FisheryType	FisheryCou	Prop_Mort
TM	HAR	2014	ISBM-CA_S(JdF)	8	ISBM	CA	0.007039
TM	HAR	2014	ISBM-SUS_T-N-S	9	ISBM	US	0.094589
TM	HAR	2014	ISBM-CA_N(freshwater)	10	ISBM	CA	0.032556
TM	HAR	2014	ISBM-CA_S(freshwater)	11	ISBM	CA	0
TM	HAR	2014	Esc_Stray	12	Esc_Stray	Either	0
TM	HAR	2014	Escapement	13	Esc	CA	0.660361
TM	HAR	2015	SEAK_T-N-S	1	AABM	US	0.002179
TM	HAR	2015	NBC-WCVI_T	2	AABM	CA	0.013617
TM	HAR	2015	NBC-WCVI_S	3	AABM	CA	0.010349
TM	HAR	2015	ISBM-CA_T-N	4	ISBM	CA	0
TM	HAR	2015	ISBM-CA_S(inside)	5	ISBM	CA	0
TM	HAR	2015	Fraser_N	6	ISBM	CA	0.011983
TM	HAR	2015	ISBM-CA_S(SOG)	7	ISBM	CA	0.086057
TM	HAR	2015	ISBM-CA_S(JdF)	8	ISBM	CA	0.016885
TM	HAR	2015	ISBM-SUS_T-N-S	9	ISBM	US	0.065904
TM	HAR	2015	ISBM-CA_N(freshwater)	10	ISBM	CA	0.020697
TM	HAR	2015	ISBM-CA_S(freshwater)	11	ISBM	CA	0.003268
TM	HAR	2015	Esc_Stray	12	Esc_Stray	Either	0
TM	HAR	2015	Escapement	13	Esc	CA	0.769063
TM	HAR	2016	SEAK_T-N-S	1	AABM	US	0.007211
TM	HAR	2016	NBC-WCVI_T	2	AABM	CA	0.009867
TM	HAR	2016	NBC-WCVI_S	3	AABM	CA	0.026566
TM	HAR	2016	ISBM-CA_T-N	4	ISBM	CA	0
TM	HAR	2016	ISBM-CA_S(inside)	5	ISBM	CA	0
TM	HAR	2016	Fraser_N	6	ISBM	CA	0.002277
TM	HAR	2016	ISBM-CA_S(SOG)	7	ISBM	CA	0.087666
TM	HAR	2016	ISBM-CA_S(JdF)	8	ISBM	CA	0.009108
TM	HAR	2016	ISBM-SUS_T-N-S	9	ISBM	US	0.02315
TM	HAR	2016	ISBM-CA_N(freshwater)	10	ISBM	CA	0.016698
TM	HAR	2016	ISBM-CA_S(freshwater)	11	ISBM	CA	0.004175
TM	HAR	2016	Esc_Stray	12	Esc_Stray	Either	0.008729
TM	HAR	2016	Escapement	13	Esc	CA	0.804554
TM	HAR	2017	SEAK_T-N-S	1	AABM	US	0
TM	HAR	2017	NBC-WCVI_T	2	AABM	CA	0.023333
TM	HAR	2017	NBC-WCVI_S	3	AABM	CA	0.06381
TM	HAR	2017	ISBM-CA_T-N	4	ISBM	CA	0
TM	HAR	2017	ISBM-CA_S(inside)	5	ISBM	CA	0.001429
TM	HAR	2017	Fraser_N	6	ISBM	CA	0.005714
TM	HAR	2017	ISBM-CA_S(SOG)	7	ISBM	CA	0.269048
TM	HAR	2017	ISBM-CA_S(JdF)	8	ISBM	CA	0.016191
TM	HAR	2017	ISBM-SUS_T-N-S	9	ISBM	US	0.100476
TM	HAR	2017	ISBM-CA_N(freshwater)	10	ISBM	CA	0.006667
TM	HAR	2017	ISBM-CA_S(freshwater)	11	ISBM	CA	0
TM	HAR	2017	Esc_Stray	12	Esc_Stray	Either	0.000476
TM	HAR	2017	Escapement	13	Esc	CA	0.512857
TM	HAR	2018	SEAK_T-N-S	1	AABM	US	0.001676

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MortType	Stock	Year	Fishery	FisheryNun	FisheryTyp	FisheryCou	Prop_Mort
TM	HAR	2018	NBC-WCVI_T	2	AABM	CA	0.008381
TM	HAR	2018	NBC-WCVI_S	3	AABM	CA	0.029215
TM	HAR	2018	ISBM-CA_T-N	4	ISBM	CA	0
TM	HAR	2018	ISBM-CA_S(inside)	5	ISBM	CA	0.000239
TM	HAR	2018	Fraser_N	6	ISBM	CA	0.008381
TM	HAR	2018	ISBM-CA_S(SOG)	7	ISBM	CA	0.127395
TM	HAR	2018	ISBM-CA_S(JdF)	8	ISBM	CA	0.004789
TM	HAR	2018	ISBM-SUS_T-N-S	9	ISBM	US	0.090996
TM	HAR	2018	ISBM-CA_N(freshwater)	10	ISBM	CA	0.029454
TM	HAR	2018	ISBM-CA_S(freshwater)	11	ISBM	CA	0.000479
TM	HAR	2018	Esc_Stray	12	Esc_Stray	Either	0.017481
TM	HAR	2018	Escapement	13	Esc	CA	0.681513
LC	NIC	1979	SEAK_T-N-S	1	AABM	US	NA
LC	NIC	1979	NBC-WCVI_T	2	AABM	CA	NA
LC	NIC	1979	NBC-WCVI_S	3	AABM	CA	NA
LC	NIC	1979	ISBM-CA_T-N	4	ISBM	CA	NA
LC	NIC	1979	ISBM-CA_S(inside)	5	ISBM	CA	NA
LC	NIC	1979	Fraser_N	6	ISBM	CA	NA
LC	NIC	1979	ISBM-CA_S(SOG)	7	ISBM	CA	NA
LC	NIC	1979	ISBM-CA_S(JdF)	8	ISBM	CA	NA
LC	NIC	1979	ISBM-SUS_T-N-S	9	ISBM	US	NA
LC	NIC	1979	ISBM-CA_N(freshwater)	10	ISBM	CA	NA
LC	NIC	1979	ISBM-CA_S(freshwater)	11	ISBM	CA	NA
LC	NIC	1979	Esc_Stray	12	Esc_Stray	Either	NA
LC	NIC	1979	Escapement	13	Esc	CA	NA
LC	NIC	1980	SEAK_T-N-S	1	AABM	US	NA
LC	NIC	1980	NBC-WCVI_T	2	AABM	CA	NA
LC	NIC	1980	NBC-WCVI_S	3	AABM	CA	NA
LC	NIC	1980	ISBM-CA_T-N	4	ISBM	CA	NA
LC	NIC	1980	ISBM-CA_S(inside)	5	ISBM	CA	NA
LC	NIC	1980	Fraser_N	6	ISBM	CA	NA
LC	NIC	1980	ISBM-CA_S(SOG)	7	ISBM	CA	NA
LC	NIC	1980	ISBM-CA_S(JdF)	8	ISBM	CA	NA
LC	NIC	1980	ISBM-SUS_T-N-S	9	ISBM	US	NA
LC	NIC	1980	ISBM-CA_N(freshwater)	10	ISBM	CA	NA
LC	NIC	1980	ISBM-CA_S(freshwater)	11	ISBM	CA	NA
LC	NIC	1980	Esc_Stray	12	Esc_Stray	Either	NA
LC	NIC	1980	Escapement	13	Esc	CA	NA
LC	NIC	1981	SEAK_T-N-S	1	AABM	US	NA
LC	NIC	1981	NBC-WCVI_T	2	AABM	CA	NA
LC	NIC	1981	NBC-WCVI_S	3	AABM	CA	NA
LC	NIC	1981	ISBM-CA_T-N	4	ISBM	CA	NA
LC	NIC	1981	ISBM-CA_S(inside)	5	ISBM	CA	NA
LC	NIC	1981	Fraser_N	6	ISBM	CA	NA
LC	NIC	1981	ISBM-CA_S(SOG)	7	ISBM	CA	NA
LC	NIC	1981	ISBM-CA_S(JdF)	8	ISBM	CA	NA

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MortType	Stock	Year	Fishery	FisheryNun	FisheryTyp	FisheryCou	Prop_Mort
LC	NIC	1981	ISBM-SUS_T-N-S	9	ISBM	US	NA
LC	NIC	1981	ISBM-CA_N(freshwater)	10	ISBM	CA	NA
LC	NIC	1981	ISBM-CA_S(freshwater)	11	ISBM	CA	NA
LC	NIC	1981	Esc_Stray	12	Esc_Stray	Either	NA
LC	NIC	1981	Escapement	13	Esc	CA	NA
LC	NIC	1982	SEAK_T-N-S	1	AABM	US	NA
LC	NIC	1982	NBC-WCVI_T	2	AABM	CA	NA
LC	NIC	1982	NBC-WCVI_S	3	AABM	CA	NA
LC	NIC	1982	ISBM-CA_T-N	4	ISBM	CA	NA
LC	NIC	1982	ISBM-CA_S(inside)	5	ISBM	CA	NA
LC	NIC	1982	Fraser_N	6	ISBM	CA	NA
LC	NIC	1982	ISBM-CA_S(SOG)	7	ISBM	CA	NA
LC	NIC	1982	ISBM-CA_S(JdF)	8	ISBM	CA	NA
LC	NIC	1982	ISBM-SUS_T-N-S	9	ISBM	US	NA
LC	NIC	1982	ISBM-CA_N(freshwater)	10	ISBM	CA	NA
LC	NIC	1982	ISBM-CA_S(freshwater)	11	ISBM	CA	NA
LC	NIC	1982	Esc_Stray	12	Esc_Stray	Either	NA
LC	NIC	1982	Escapement	13	Esc	CA	NA
LC	NIC	1983	SEAK_T-N-S	1	AABM	US	NA
LC	NIC	1983	NBC-WCVI_T	2	AABM	CA	NA
LC	NIC	1983	NBC-WCVI_S	3	AABM	CA	NA
LC	NIC	1983	ISBM-CA_T-N	4	ISBM	CA	NA
LC	NIC	1983	ISBM-CA_S(inside)	5	ISBM	CA	NA
LC	NIC	1983	Fraser_N	6	ISBM	CA	NA
LC	NIC	1983	ISBM-CA_S(SOG)	7	ISBM	CA	NA
LC	NIC	1983	ISBM-CA_S(JdF)	8	ISBM	CA	NA
LC	NIC	1983	ISBM-SUS_T-N-S	9	ISBM	US	NA
LC	NIC	1983	ISBM-CA_N(freshwater)	10	ISBM	CA	NA
LC	NIC	1983	ISBM-CA_S(freshwater)	11	ISBM	CA	NA
LC	NIC	1983	Esc_Stray	12	Esc_Stray	Either	NA
LC	NIC	1983	Escapement	13	Esc	CA	NA
LC	NIC	1984	SEAK_T-N-S	1	AABM	US	NA
LC	NIC	1984	NBC-WCVI_T	2	AABM	CA	NA
LC	NIC	1984	NBC-WCVI_S	3	AABM	CA	NA
LC	NIC	1984	ISBM-CA_T-N	4	ISBM	CA	NA
LC	NIC	1984	ISBM-CA_S(inside)	5	ISBM	CA	NA
LC	NIC	1984	Fraser_N	6	ISBM	CA	NA
LC	NIC	1984	ISBM-CA_S(SOG)	7	ISBM	CA	NA
LC	NIC	1984	ISBM-CA_S(JdF)	8	ISBM	CA	NA
LC	NIC	1984	ISBM-SUS_T-N-S	9	ISBM	US	NA
LC	NIC	1984	ISBM-CA_N(freshwater)	10	ISBM	CA	NA
LC	NIC	1984	ISBM-CA_S(freshwater)	11	ISBM	CA	NA
LC	NIC	1984	Esc_Stray	12	Esc_Stray	Either	NA
LC	NIC	1984	Escapement	13	Esc	CA	NA
LC	NIC	1985	SEAK_T-N-S	1	AABM	US	NA
LC	NIC	1985	NBC-WCVI_T	2	AABM	CA	NA

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MortType	Stock	Year	Fishery	FisheryNum	FisheryType	FisheryCou	Prop_Mort
LC	NIC	1985	NBC-WCVI_S	3	AABM	CA	NA
LC	NIC	1985	ISBM-CA_T-N	4	ISBM	CA	NA
LC	NIC	1985	ISBM-CA_S(inside)	5	ISBM	CA	NA
LC	NIC	1985	Fraser_N	6	ISBM	CA	NA
LC	NIC	1985	ISBM-CA_S(SOG)	7	ISBM	CA	NA
LC	NIC	1985	ISBM-CA_S(JdF)	8	ISBM	CA	NA
LC	NIC	1985	ISBM-SUS_T-N-S	9	ISBM	US	NA
LC	NIC	1985	ISBM-CA_N(freshwater)	10	ISBM	CA	NA
LC	NIC	1985	ISBM-CA_S(freshwater)	11	ISBM	CA	NA
LC	NIC	1985	Esc_Stray	12	Esc_Stray	Either	NA
LC	NIC	1985	Escapement	13	Esc	CA	NA
LC	NIC	1986	SEAK_T-N-S	1	AABM	US	NA
LC	NIC	1986	NBC-WCVI_T	2	AABM	CA	NA
LC	NIC	1986	NBC-WCVI_S	3	AABM	CA	NA
LC	NIC	1986	ISBM-CA_T-N	4	ISBM	CA	NA
LC	NIC	1986	ISBM-CA_S(inside)	5	ISBM	CA	NA
LC	NIC	1986	Fraser_N	6	ISBM	CA	NA
LC	NIC	1986	ISBM-CA_S(SOG)	7	ISBM	CA	NA
LC	NIC	1986	ISBM-CA_S(JdF)	8	ISBM	CA	NA
LC	NIC	1986	ISBM-SUS_T-N-S	9	ISBM	US	NA
LC	NIC	1986	ISBM-CA_N(freshwater)	10	ISBM	CA	NA
LC	NIC	1986	ISBM-CA_S(freshwater)	11	ISBM	CA	NA
LC	NIC	1986	Esc_Stray	12	Esc_Stray	Either	NA
LC	NIC	1986	Escapement	13	Esc	CA	NA
LC	NIC	1987	SEAK_T-N-S	1	AABM	US	NA
LC	NIC	1987	NBC-WCVI_T	2	AABM	CA	NA
LC	NIC	1987	NBC-WCVI_S	3	AABM	CA	NA
LC	NIC	1987	ISBM-CA_T-N	4	ISBM	CA	NA
LC	NIC	1987	ISBM-CA_S(inside)	5	ISBM	CA	NA
LC	NIC	1987	Fraser_N	6	ISBM	CA	NA
LC	NIC	1987	ISBM-CA_S(SOG)	7	ISBM	CA	NA
LC	NIC	1987	ISBM-CA_S(JdF)	8	ISBM	CA	NA
LC	NIC	1987	ISBM-SUS_T-N-S	9	ISBM	US	NA
LC	NIC	1987	ISBM-CA_N(freshwater)	10	ISBM	CA	NA
LC	NIC	1987	ISBM-CA_S(freshwater)	11	ISBM	CA	NA
LC	NIC	1987	Esc_Stray	12	Esc_Stray	Either	NA
LC	NIC	1987	Escapement	13	Esc	CA	NA
LC	NIC	1988	SEAK_T-N-S	1	AABM	US	NA
LC	NIC	1988	NBC-WCVI_T	2	AABM	CA	NA
LC	NIC	1988	NBC-WCVI_S	3	AABM	CA	NA
LC	NIC	1988	ISBM-CA_T-N	4	ISBM	CA	NA
LC	NIC	1988	ISBM-CA_S(inside)	5	ISBM	CA	NA
LC	NIC	1988	Fraser_N	6	ISBM	CA	NA
LC	NIC	1988	ISBM-CA_S(SOG)	7	ISBM	CA	NA
LC	NIC	1988	ISBM-CA_S(JdF)	8	ISBM	CA	NA
LC	NIC	1988	ISBM-SUS_T-N-S	9	ISBM	US	NA

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MortType	Stock	Year	Fishery	FisheryNun	FisheryTyp	FisheryCou	Prop_Mort
LC	NIC	1988	ISBM-CA_N(freshwater)	10	ISBM	CA	NA
LC	NIC	1988	ISBM-CA_S(freshwater)	11	ISBM	CA	NA
LC	NIC	1988	Esc_Stray	12	Esc_Stray	Either	NA
LC	NIC	1988	Escapement	13	Esc	CA	NA
LC	NIC	1989	SEAK_T-N-S	1	AABM	US	0
LC	NIC	1989	NBC-WCVI_T	2	AABM	CA	0.011746
LC	NIC	1989	NBC-WCVI_S	3	AABM	CA	0.010963
LC	NIC	1989	ISBM-CA_T-N	4	ISBM	CA	0.004699
LC	NIC	1989	ISBM-CA_S(inside)	5	ISBM	CA	0
LC	NIC	1989	Fraser_N	6	ISBM	CA	0.121378
LC	NIC	1989	ISBM-CA_S(SOG)	7	ISBM	CA	0.038371
LC	NIC	1989	ISBM-CA_S(JdF)	8	ISBM	CA	0.071261
LC	NIC	1989	ISBM-SUS_T-N-S	9	ISBM	US	0.036805
LC	NIC	1989	ISBM-CA_N(freshwater)	10	ISBM	CA	0
LC	NIC	1989	ISBM-CA_S(freshwater)	11	ISBM	CA	0.023493
LC	NIC	1989	Esc_Stray	12	Esc_Stray	Either	0.003132
LC	NIC	1989	Escapement	13	Esc	CA	0.678152
LC	NIC	1990	SEAK_T-N-S	1	AABM	US	0
LC	NIC	1990	NBC-WCVI_T	2	AABM	CA	0.01845
LC	NIC	1990	NBC-WCVI_S	3	AABM	CA	0
LC	NIC	1990	ISBM-CA_T-N	4	ISBM	CA	0
LC	NIC	1990	ISBM-CA_S(inside)	5	ISBM	CA	0
LC	NIC	1990	Fraser_N	6	ISBM	CA	0
LC	NIC	1990	ISBM-CA_S(SOG)	7	ISBM	CA	0
LC	NIC	1990	ISBM-CA_S(JdF)	8	ISBM	CA	0.02214
LC	NIC	1990	ISBM-SUS_T-N-S	9	ISBM	US	0.0369
LC	NIC	1990	ISBM-CA_N(freshwater)	10	ISBM	CA	0.147601
LC	NIC	1990	ISBM-CA_S(freshwater)	11	ISBM	CA	0.132841
LC	NIC	1990	Esc_Stray	12	Esc_Stray	Either	0.01845
LC	NIC	1990	Escapement	13	Esc	CA	0.623616
LC	NIC	1991	SEAK_T-N-S	1	AABM	US	0.003757
LC	NIC	1991	NBC-WCVI_T	2	AABM	CA	0.034561
LC	NIC	1991	NBC-WCVI_S	3	AABM	CA	0.002254
LC	NIC	1991	ISBM-CA_T-N	4	ISBM	CA	0.009767
LC	NIC	1991	ISBM-CA_S(inside)	5	ISBM	CA	0
LC	NIC	1991	Fraser_N	6	ISBM	CA	0
LC	NIC	1991	ISBM-CA_S(SOG)	7	ISBM	CA	0.006011
LC	NIC	1991	ISBM-CA_S(JdF)	8	ISBM	CA	0.043576
LC	NIC	1991	ISBM-SUS_T-N-S	9	ISBM	US	0.022539
LC	NIC	1991	ISBM-CA_N(freshwater)	10	ISBM	CA	0.133734
LC	NIC	1991	ISBM-CA_S(freshwater)	11	ISBM	CA	0.069121
LC	NIC	1991	Esc_Stray	12	Esc_Stray	Either	0.009016
LC	NIC	1991	Escapement	13	Esc	CA	0.665665
LC	NIC	1992	SEAK_T-N-S	1	AABM	US	0
LC	NIC	1992	NBC-WCVI_T	2	AABM	CA	0.086785
LC	NIC	1992	NBC-WCVI_S	3	AABM	CA	0

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MortType	Stock	Year	Fishery	FisheryNun	FisheryTyp	FisheryCou	Prop_Mort
LC	NIC	1992	ISBM-CA_T-N	4	ISBM	CA	0.029586
LC	NIC	1992	ISBM-CA_S(inside)	5	ISBM	CA	0
LC	NIC	1992	Fraser_N	6	ISBM	CA	0
LC	NIC	1992	ISBM-CA_S(SOG)	7	ISBM	CA	0.031558
LC	NIC	1992	ISBM-CA_S(JdF)	8	ISBM	CA	0.047337
LC	NIC	1992	ISBM-SUS_T-N-S	9	ISBM	US	0.094675
LC	NIC	1992	ISBM-CA_N(freshwater)	10	ISBM	CA	0.069034
LC	NIC	1992	ISBM-CA_S(freshwater)	11	ISBM	CA	0.076923
LC	NIC	1992	Esc_Stray	12	Esc_Stray	Either	0.003945
LC	NIC	1992	Escapement	13	Esc	CA	0.560158
LC	NIC	1993	SEAK_T-N-S	1	AABM	US	0
LC	NIC	1993	NBC-WCVI_T	2	AABM	CA	0.072836
LC	NIC	1993	NBC-WCVI_S	3	AABM	CA	0.01114
LC	NIC	1993	ISBM-CA_T-N	4	ISBM	CA	0.01371
LC	NIC	1993	ISBM-CA_S(inside)	5	ISBM	CA	0
LC	NIC	1993	Fraser_N	6	ISBM	CA	0
LC	NIC	1993	ISBM-CA_S(SOG)	7	ISBM	CA	0.036847
LC	NIC	1993	ISBM-CA_S(JdF)	8	ISBM	CA	0.019709
LC	NIC	1993	ISBM-SUS_T-N-S	9	ISBM	US	0.03599
LC	NIC	1993	ISBM-CA_N(freshwater)	10	ISBM	CA	0.100257
LC	NIC	1993	ISBM-CA_S(freshwater)	11	ISBM	CA	0.052271
LC	NIC	1993	Esc_Stray	12	Esc_Stray	Either	0
LC	NIC	1993	Escapement	13	Esc	CA	0.657241
LC	NIC	1994	SEAK_T-N-S	1	AABM	US	0
LC	NIC	1994	NBC-WCVI_T	2	AABM	CA	0.032036
LC	NIC	1994	NBC-WCVI_S	3	AABM	CA	0.003943
LC	NIC	1994	ISBM-CA_T-N	4	ISBM	CA	0.001971
LC	NIC	1994	ISBM-CA_S(inside)	5	ISBM	CA	0
LC	NIC	1994	Fraser_N	6	ISBM	CA	0
LC	NIC	1994	ISBM-CA_S(SOG)	7	ISBM	CA	0.006407
LC	NIC	1994	ISBM-CA_S(JdF)	8	ISBM	CA	0.025628
LC	NIC	1994	ISBM-SUS_T-N-S	9	ISBM	US	0.00345
LC	NIC	1994	ISBM-CA_N(freshwater)	10	ISBM	CA	0.013307
LC	NIC	1994	ISBM-CA_S(freshwater)	11	ISBM	CA	0.076392
LC	NIC	1994	Esc_Stray	12	Esc_Stray	Either	0.002464
LC	NIC	1994	Escapement	13	Esc	CA	0.834401
LC	NIC	1995	SEAK_T-N-S	1	AABM	US	0
LC	NIC	1995	NBC-WCVI_T	2	AABM	CA	0.012081
LC	NIC	1995	NBC-WCVI_S	3	AABM	CA	0.010434
LC	NIC	1995	ISBM-CA_T-N	4	ISBM	CA	0
LC	NIC	1995	ISBM-CA_S(inside)	5	ISBM	CA	0
LC	NIC	1995	Fraser_N	6	ISBM	CA	0
LC	NIC	1995	ISBM-CA_S(SOG)	7	ISBM	CA	0.01263
LC	NIC	1995	ISBM-CA_S(JdF)	8	ISBM	CA	0.014827
LC	NIC	1995	ISBM-SUS_T-N-S	9	ISBM	US	0.003844
LC	NIC	1995	ISBM-CA_N(freshwater)	10	ISBM	CA	0.034596

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MortType	Stock	Year	Fishery	FisheryNun	FisheryTyp	FisheryCou	Prop_Mort
LC	NIC	1995	ISBM-CA_S(freshwater)	11	ISBM	CA	0.035146
LC	NIC	1995	Esc_Stray	12	Esc_Stray	Either	0
LC	NIC	1995	Escapement	13	Esc	CA	0.876442
LC	NIC	1996	SEAK_T-N-S	1	AABM	US	0
LC	NIC	1996	NBC-WCVI_T	2	AABM	CA	0
LC	NIC	1996	NBC-WCVI_S	3	AABM	CA	0
LC	NIC	1996	ISBM-CA_T-N	4	ISBM	CA	0
LC	NIC	1996	ISBM-CA_S(inside)	5	ISBM	CA	0
LC	NIC	1996	Fraser_N	6	ISBM	CA	0
LC	NIC	1996	ISBM-CA_S(SOG)	7	ISBM	CA	0
LC	NIC	1996	ISBM-CA_S(JdF)	8	ISBM	CA	0
LC	NIC	1996	ISBM-SUS_T-N-S	9	ISBM	US	0
LC	NIC	1996	ISBM-CA_N(freshwater)	10	ISBM	CA	0.188406
LC	NIC	1996	ISBM-CA_S(freshwater)	11	ISBM	CA	0
LC	NIC	1996	Esc_Stray	12	Esc_Stray	Either	0
LC	NIC	1996	Escapement	13	Esc	CA	0.811594
LC	NIC	1997	SEAK_T-N-S	1	AABM	US	0
LC	NIC	1997	NBC-WCVI_T	2	AABM	CA	0
LC	NIC	1997	NBC-WCVI_S	3	AABM	CA	0
LC	NIC	1997	ISBM-CA_T-N	4	ISBM	CA	0.009901
LC	NIC	1997	ISBM-CA_S(inside)	5	ISBM	CA	0
LC	NIC	1997	Fraser_N	6	ISBM	CA	0
LC	NIC	1997	ISBM-CA_S(SOG)	7	ISBM	CA	0
LC	NIC	1997	ISBM-CA_S(JdF)	8	ISBM	CA	0.049505
LC	NIC	1997	ISBM-SUS_T-N-S	9	ISBM	US	0.059406
LC	NIC	1997	ISBM-CA_N(freshwater)	10	ISBM	CA	0.019802
LC	NIC	1997	ISBM-CA_S(freshwater)	11	ISBM	CA	0.064356
LC	NIC	1997	Esc_Stray	12	Esc_Stray	Either	0
LC	NIC	1997	Escapement	13	Esc	CA	0.79703
LC	NIC	1998	SEAK_T-N-S	1	AABM	US	0
LC	NIC	1998	NBC-WCVI_T	2	AABM	CA	0
LC	NIC	1998	NBC-WCVI_S	3	AABM	CA	0.03
LC	NIC	1998	ISBM-CA_T-N	4	ISBM	CA	0
LC	NIC	1998	ISBM-CA_S(inside)	5	ISBM	CA	0
LC	NIC	1998	Fraser_N	6	ISBM	CA	0
LC	NIC	1998	ISBM-CA_S(SOG)	7	ISBM	CA	0.0125
LC	NIC	1998	ISBM-CA_S(JdF)	8	ISBM	CA	0.0125
LC	NIC	1998	ISBM-SUS_T-N-S	9	ISBM	US	0
LC	NIC	1998	ISBM-CA_N(freshwater)	10	ISBM	CA	0.105
LC	NIC	1998	ISBM-CA_S(freshwater)	11	ISBM	CA	0.1675
LC	NIC	1998	Esc_Stray	12	Esc_Stray	Either	0
LC	NIC	1998	Escapement	13	Esc	CA	0.6725
LC	NIC	1999	SEAK_T-N-S	1	AABM	US	0
LC	NIC	1999	NBC-WCVI_T	2	AABM	CA	0
LC	NIC	1999	NBC-WCVI_S	3	AABM	CA	0
LC	NIC	1999	ISBM-CA_T-N	4	ISBM	CA	0

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MortType	Stock	Year	Fishery	FisheryNun	FisheryTyp	FisheryCou	Prop_Mort
LC	NIC	1999	ISBM-CA_S(inside)	5	ISBM	CA	0
LC	NIC	1999	Fraser_N	6	ISBM	CA	0
LC	NIC	1999	ISBM-CA_S(SOG)	7	ISBM	CA	0.001656
LC	NIC	1999	ISBM-CA_S(JdF)	8	ISBM	CA	0.004969
LC	NIC	1999	ISBM-SUS_T-N-S	9	ISBM	US	0.006625
LC	NIC	1999	ISBM-CA_N(freshwater)	10	ISBM	CA	0.069151
LC	NIC	1999	ISBM-CA_S(freshwater)	11	ISBM	CA	0.020704
LC	NIC	1999	Esc_Stray	12	Esc_Stray	Either	0
LC	NIC	1999	Escapement	13	Esc	CA	0.896894
LC	NIC	2000	SEAK_T-N-S	1	AABM	US	0
LC	NIC	2000	NBC-WCVI_T	2	AABM	CA	0
LC	NIC	2000	NBC-WCVI_S	3	AABM	CA	0.0149
LC	NIC	2000	ISBM-CA_T-N	4	ISBM	CA	0
LC	NIC	2000	ISBM-CA_S(inside)	5	ISBM	CA	0
LC	NIC	2000	Fraser_N	6	ISBM	CA	0
LC	NIC	2000	ISBM-CA_S(SOG)	7	ISBM	CA	0.006304
LC	NIC	2000	ISBM-CA_S(JdF)	8	ISBM	CA	0.033811
LC	NIC	2000	ISBM-SUS_T-N-S	9	ISBM	US	0
LC	NIC	2000	ISBM-CA_N(freshwater)	10	ISBM	CA	0.080802
LC	NIC	2000	ISBM-CA_S(freshwater)	11	ISBM	CA	0.05043
LC	NIC	2000	Esc_Stray	12	Esc_Stray	Either	0
LC	NIC	2000	Escapement	13	Esc	CA	0.813754
LC	NIC	2001	SEAK_T-N-S	1	AABM	US	0
LC	NIC	2001	NBC-WCVI_T	2	AABM	CA	0.001336
LC	NIC	2001	NBC-WCVI_S	3	AABM	CA	0
LC	NIC	2001	ISBM-CA_T-N	4	ISBM	CA	0
LC	NIC	2001	ISBM-CA_S(inside)	5	ISBM	CA	0
LC	NIC	2001	Fraser_N	6	ISBM	CA	0
LC	NIC	2001	ISBM-CA_S(SOG)	7	ISBM	CA	0.005788
LC	NIC	2001	ISBM-CA_S(JdF)	8	ISBM	CA	0.032057
LC	NIC	2001	ISBM-SUS_T-N-S	9	ISBM	US	0.006679
LC	NIC	2001	ISBM-CA_N(freshwater)	10	ISBM	CA	0.067676
LC	NIC	2001	ISBM-CA_S(freshwater)	11	ISBM	CA	0.041407
LC	NIC	2001	Esc_Stray	12	Esc_Stray	Either	0
LC	NIC	2001	Escapement	13	Esc	CA	0.845058
LC	NIC	2002	SEAK_T-N-S	1	AABM	US	0
LC	NIC	2002	NBC-WCVI_T	2	AABM	CA	0.016565
LC	NIC	2002	NBC-WCVI_S	3	AABM	CA	0.002616
LC	NIC	2002	ISBM-CA_T-N	4	ISBM	CA	0.000872
LC	NIC	2002	ISBM-CA_S(inside)	5	ISBM	CA	0
LC	NIC	2002	Fraser_N	6	ISBM	CA	0
LC	NIC	2002	ISBM-CA_S(SOG)	7	ISBM	CA	0.00218
LC	NIC	2002	ISBM-CA_S(JdF)	8	ISBM	CA	0.007847
LC	NIC	2002	ISBM-SUS_T-N-S	9	ISBM	US	0.008718
LC	NIC	2002	ISBM-CA_N(freshwater)	10	ISBM	CA	0.040105
LC	NIC	2002	ISBM-CA_S(freshwater)	11	ISBM	CA	0.02354

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MortType	Stock	Year	Fishery	FisheryNun	FisheryTyp	FisheryCou	Prop_Mort
LC	NIC	2002	Esc_Stray	12	Esc_Stray	Either	0
LC	NIC	2002	Escapement	13	Esc	CA	0.897559
LC	NIC	2003	SEAK_T-N-S	1	AABM	US	0.001125
LC	NIC	2003	NBC-WCVI_T	2	AABM	CA	0.030388
LC	NIC	2003	NBC-WCVI_S	3	AABM	CA	0.005065
LC	NIC	2003	ISBM-CA_T-N	4	ISBM	CA	0
LC	NIC	2003	ISBM-CA_S(inside)	5	ISBM	CA	0
LC	NIC	2003	Fraser_N	6	ISBM	CA	0
LC	NIC	2003	ISBM-CA_S(SOG)	7	ISBM	CA	0.007316
LC	NIC	2003	ISBM-CA_S(JdF)	8	ISBM	CA	0.01632
LC	NIC	2003	ISBM-SUS_T-N-S	9	ISBM	US	0.004502
LC	NIC	2003	ISBM-CA_N(freshwater)	10	ISBM	CA	0.005627
LC	NIC	2003	ISBM-CA_S(freshwater)	11	ISBM	CA	0.064153
LC	NIC	2003	Esc_Stray	12	Esc_Stray	Either	0
LC	NIC	2003	Escapement	13	Esc	CA	0.865504
LC	NIC	2004	SEAK_T-N-S	1	AABM	US	0
LC	NIC	2004	NBC-WCVI_T	2	AABM	CA	0.036697
LC	NIC	2004	NBC-WCVI_S	3	AABM	CA	0
LC	NIC	2004	ISBM-CA_T-N	4	ISBM	CA	0
LC	NIC	2004	ISBM-CA_S(inside)	5	ISBM	CA	0
LC	NIC	2004	Fraser_N	6	ISBM	CA	0
LC	NIC	2004	ISBM-CA_S(SOG)	7	ISBM	CA	0.020642
LC	NIC	2004	ISBM-CA_S(JdF)	8	ISBM	CA	0.013762
LC	NIC	2004	ISBM-SUS_T-N-S	9	ISBM	US	0.009174
LC	NIC	2004	ISBM-CA_N(freshwater)	10	ISBM	CA	0.238532
LC	NIC	2004	ISBM-CA_S(freshwater)	11	ISBM	CA	0
LC	NIC	2004	Esc_Stray	12	Esc_Stray	Either	0
LC	NIC	2004	Escapement	13	Esc	CA	0.681193
LC	NIC	2005	SEAK_T-N-S	1	AABM	US	0
LC	NIC	2005	NBC-WCVI_T	2	AABM	CA	0.047264
LC	NIC	2005	NBC-WCVI_S	3	AABM	CA	0
LC	NIC	2005	ISBM-CA_T-N	4	ISBM	CA	0
LC	NIC	2005	ISBM-CA_S(inside)	5	ISBM	CA	0
LC	NIC	2005	Fraser_N	6	ISBM	CA	0
LC	NIC	2005	ISBM-CA_S(SOG)	7	ISBM	CA	0.024876
LC	NIC	2005	ISBM-CA_S(JdF)	8	ISBM	CA	0.034826
LC	NIC	2005	ISBM-SUS_T-N-S	9	ISBM	US	0.004975
LC	NIC	2005	ISBM-CA_N(freshwater)	10	ISBM	CA	0.149254
LC	NIC	2005	ISBM-CA_S(freshwater)	11	ISBM	CA	0.141791
LC	NIC	2005	Esc_Stray	12	Esc_Stray	Either	0
LC	NIC	2005	Escapement	13	Esc	CA	0.597015
LC	NIC	2006	SEAK_T-N-S	1	AABM	US	0
LC	NIC	2006	NBC-WCVI_T	2	AABM	CA	0.030374
LC	NIC	2006	NBC-WCVI_S	3	AABM	CA	0
LC	NIC	2006	ISBM-CA_T-N	4	ISBM	CA	0
LC	NIC	2006	ISBM-CA_S(inside)	5	ISBM	CA	0

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MortType	Stock	Year	Fishery	FisheryNun	FisheryTyp	FisheryCou	Prop_Mort
LC	NIC	2006	Fraser_N	6	ISBM	CA	0
LC	NIC	2006	ISBM-CA_S(SOG)	7	ISBM	CA	0
LC	NIC	2006	ISBM-CA_S(JdF)	8	ISBM	CA	0.025701
LC	NIC	2006	ISBM-SUS_T-N-S	9	ISBM	US	0.011682
LC	NIC	2006	ISBM-CA_N(freshwater)	10	ISBM	CA	0.140187
LC	NIC	2006	ISBM-CA_S(freshwater)	11	ISBM	CA	0.091122
LC	NIC	2006	Esc_Stray	12	Esc_Stray	Either	0
LC	NIC	2006	Escapement	13	Esc	CA	0.700935
LC	NIC	2007	SEAK_T-N-S	1	AABM	US	0
LC	NIC	2007	NBC-WCVI_T	2	AABM	CA	0.059211
LC	NIC	2007	NBC-WCVI_S	3	AABM	CA	0
LC	NIC	2007	ISBM-CA_T-N	4	ISBM	CA	0
LC	NIC	2007	ISBM-CA_S(inside)	5	ISBM	CA	0
LC	NIC	2007	Fraser_N	6	ISBM	CA	0
LC	NIC	2007	ISBM-CA_S(SOG)	7	ISBM	CA	0
LC	NIC	2007	ISBM-CA_S(JdF)	8	ISBM	CA	0
LC	NIC	2007	ISBM-SUS_T-N-S	9	ISBM	US	0.006579
LC	NIC	2007	ISBM-CA_N(freshwater)	10	ISBM	CA	0.322368
LC	NIC	2007	ISBM-CA_S(freshwater)	11	ISBM	CA	0.203947
LC	NIC	2007	Esc_Stray	12	Esc_Stray	Either	0
LC	NIC	2007	Escapement	13	Esc	CA	0.407895
LC	NIC	2008	SEAK_T-N-S	1	AABM	US	0
LC	NIC	2008	NBC-WCVI_T	2	AABM	CA	0.009804
LC	NIC	2008	NBC-WCVI_S	3	AABM	CA	0.006536
LC	NIC	2008	ISBM-CA_T-N	4	ISBM	CA	0
LC	NIC	2008	ISBM-CA_S(inside)	5	ISBM	CA	0
LC	NIC	2008	Fraser_N	6	ISBM	CA	0
LC	NIC	2008	ISBM-CA_S(SOG)	7	ISBM	CA	0.019608
LC	NIC	2008	ISBM-CA_S(JdF)	8	ISBM	CA	0.013072
LC	NIC	2008	ISBM-SUS_T-N-S	9	ISBM	US	0.026144
LC	NIC	2008	ISBM-CA_N(freshwater)	10	ISBM	CA	0.116013
LC	NIC	2008	ISBM-CA_S(freshwater)	11	ISBM	CA	0.034314
LC	NIC	2008	Esc_Stray	12	Esc_Stray	Either	0
LC	NIC	2008	Escapement	13	Esc	CA	0.77451
LC	NIC	2009	SEAK_T-N-S	1	AABM	US	0
LC	NIC	2009	NBC-WCVI_T	2	AABM	CA	0.003623
LC	NIC	2009	NBC-WCVI_S	3	AABM	CA	0
LC	NIC	2009	ISBM-CA_T-N	4	ISBM	CA	0
LC	NIC	2009	ISBM-CA_S(inside)	5	ISBM	CA	0
LC	NIC	2009	Fraser_N	6	ISBM	CA	0
LC	NIC	2009	ISBM-CA_S(SOG)	7	ISBM	CA	0
LC	NIC	2009	ISBM-CA_S(JdF)	8	ISBM	CA	0.07971
LC	NIC	2009	ISBM-SUS_T-N-S	9	ISBM	US	0.036232
LC	NIC	2009	ISBM-CA_N(freshwater)	10	ISBM	CA	0.199275
LC	NIC	2009	ISBM-CA_S(freshwater)	11	ISBM	CA	0.199275
LC	NIC	2009	Esc_Stray	12	Esc_Stray	Either	0

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MortType	Stock	Year	Fishery	FisheryNun	FisheryType	FisheryCou	Prop_Mort
LC	NIC	2009	Escapement	13	Esc	CA	0.481884
LC	NIC	2010	SEAK_T-N-S	1	AABM	US	0.003045
LC	NIC	2010	NBC-WCVI_T	2	AABM	CA	0.011309
LC	NIC	2010	NBC-WCVI_S	3	AABM	CA	0.002175
LC	NIC	2010	ISBM-CA_T-N	4	ISBM	CA	0
LC	NIC	2010	ISBM-CA_S(inside)	5	ISBM	CA	0
LC	NIC	2010	Fraser_N	6	ISBM	CA	0
LC	NIC	2010	ISBM-CA_S(SOG)	7	ISBM	CA	0.009134
LC	NIC	2010	ISBM-CA_S(JdF)	8	ISBM	CA	0.00522
LC	NIC	2010	ISBM-SUS_T-N-S	9	ISBM	US	0.009569
LC	NIC	2010	ISBM-CA_N(freshwater)	10	ISBM	CA	0.046542
LC	NIC	2010	ISBM-CA_S(freshwater)	11	ISBM	CA	0
LC	NIC	2010	Esc_Stray	12	Esc_Stray	Either	0
LC	NIC	2010	Escapement	13	Esc	CA	0.913006
LC	NIC	2011	SEAK_T-N-S	1	AABM	US	0
LC	NIC	2011	NBC-WCVI_T	2	AABM	CA	0.005988
LC	NIC	2011	NBC-WCVI_S	3	AABM	CA	0.004491
LC	NIC	2011	ISBM-CA_T-N	4	ISBM	CA	0
LC	NIC	2011	ISBM-CA_S(inside)	5	ISBM	CA	0
LC	NIC	2011	Fraser_N	6	ISBM	CA	0.002994
LC	NIC	2011	ISBM-CA_S(SOG)	7	ISBM	CA	0.01497
LC	NIC	2011	ISBM-CA_S(JdF)	8	ISBM	CA	0.023952
LC	NIC	2011	ISBM-SUS_T-N-S	9	ISBM	US	0.028443
LC	NIC	2011	ISBM-CA_N(freshwater)	10	ISBM	CA	0.038922
LC	NIC	2011	ISBM-CA_S(freshwater)	11	ISBM	CA	0.023952
LC	NIC	2011	Esc_Stray	12	Esc_Stray	Either	0
LC	NIC	2011	Escapement	13	Esc	CA	0.856287
LC	NIC	2012	SEAK_T-N-S	1	AABM	US	0
LC	NIC	2012	NBC-WCVI_T	2	AABM	CA	0.004292
LC	NIC	2012	NBC-WCVI_S	3	AABM	CA	0.005722
LC	NIC	2012	ISBM-CA_T-N	4	ISBM	CA	0
LC	NIC	2012	ISBM-CA_S(inside)	5	ISBM	CA	0
LC	NIC	2012	Fraser_N	6	ISBM	CA	0.005722
LC	NIC	2012	ISBM-CA_S(SOG)	7	ISBM	CA	0.018598
LC	NIC	2012	ISBM-CA_S(JdF)	8	ISBM	CA	0.017167
LC	NIC	2012	ISBM-SUS_T-N-S	9	ISBM	US	0.067239
LC	NIC	2012	ISBM-CA_N(freshwater)	10	ISBM	CA	0.177396
LC	NIC	2012	ISBM-CA_S(freshwater)	11	ISBM	CA	0.008584
LC	NIC	2012	Esc_Stray	12	Esc_Stray	Either	0
LC	NIC	2012	Escapement	13	Esc	CA	0.695279
LC	NIC	2013	SEAK_T-N-S	1	AABM	US	0
LC	NIC	2013	NBC-WCVI_T	2	AABM	CA	0.01046
LC	NIC	2013	NBC-WCVI_S	3	AABM	CA	0
LC	NIC	2013	ISBM-CA_T-N	4	ISBM	CA	0
LC	NIC	2013	ISBM-CA_S(inside)	5	ISBM	CA	0.002092
LC	NIC	2013	Fraser_N	6	ISBM	CA	0.002092

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MortType	Stock	Year	Fishery	FisheryNun	FisheryTyp	FisheryCou	Prop_Mort
LC	NIC	2013	ISBM-CA_S(SOG)	7	ISBM	CA	0.009066
LC	NIC	2013	ISBM-CA_S(JdF)	8	ISBM	CA	0.033473
LC	NIC	2013	ISBM-SUS_T-N-S	9	ISBM	US	0.03696
LC	NIC	2013	ISBM-CA_N(freshwater)	10	ISBM	CA	0.016039
LC	NIC	2013	ISBM-CA_S(freshwater)	11	ISBM	CA	0
LC	NIC	2013	Esc_Stray	12	Esc_Stray	Either	0
LC	NIC	2013	Escapement	13	Esc	CA	0.889819
LC	NIC	2014	SEAK_T-N-S	1	AABM	US	0
LC	NIC	2014	NBC-WCVI_T	2	AABM	CA	0.018562
LC	NIC	2014	NBC-WCVI_S	3	AABM	CA	0
LC	NIC	2014	ISBM-CA_T-N	4	ISBM	CA	0
LC	NIC	2014	ISBM-CA_S(inside)	5	ISBM	CA	0
LC	NIC	2014	Fraser_N	6	ISBM	CA	0.009281
LC	NIC	2014	ISBM-CA_S(SOG)	7	ISBM	CA	0
LC	NIC	2014	ISBM-CA_S(JdF)	8	ISBM	CA	0.009281
LC	NIC	2014	ISBM-SUS_T-N-S	9	ISBM	US	0.013921
LC	NIC	2014	ISBM-CA_N(freshwater)	10	ISBM	CA	0.092807
LC	NIC	2014	ISBM-CA_S(freshwater)	11	ISBM	CA	0.009281
LC	NIC	2014	Esc_Stray	12	Esc_Stray	Either	0
LC	NIC	2014	Escapement	13	Esc	CA	0.846868
LC	NIC	2015	SEAK_T-N-S	1	AABM	US	0
LC	NIC	2015	NBC-WCVI_T	2	AABM	CA	0.004563
LC	NIC	2015	NBC-WCVI_S	3	AABM	CA	0.001304
LC	NIC	2015	ISBM-CA_T-N	4	ISBM	CA	0
LC	NIC	2015	ISBM-CA_S(inside)	5	ISBM	CA	0
LC	NIC	2015	Fraser_N	6	ISBM	CA	0.008475
LC	NIC	2015	ISBM-CA_S(SOG)	7	ISBM	CA	0.005867
LC	NIC	2015	ISBM-CA_S(JdF)	8	ISBM	CA	0.024772
LC	NIC	2015	ISBM-SUS_T-N-S	9	ISBM	US	0.014994
LC	NIC	2015	ISBM-CA_N(freshwater)	10	ISBM	CA	0.101043
LC	NIC	2015	ISBM-CA_S(freshwater)	11	ISBM	CA	0
LC	NIC	2015	Esc_Stray	12	Esc_Stray	Either	0
LC	NIC	2015	Escapement	13	Esc	CA	0.838983
LC	NIC	2016	SEAK_T-N-S	1	AABM	US	0.002096
LC	NIC	2016	NBC-WCVI_T	2	AABM	CA	0.023061
LC	NIC	2016	NBC-WCVI_S	3	AABM	CA	0
LC	NIC	2016	ISBM-CA_T-N	4	ISBM	CA	0
LC	NIC	2016	ISBM-CA_S(inside)	5	ISBM	CA	0
LC	NIC	2016	Fraser_N	6	ISBM	CA	0.007338
LC	NIC	2016	ISBM-CA_S(SOG)	7	ISBM	CA	0.01782
LC	NIC	2016	ISBM-CA_S(JdF)	8	ISBM	CA	0.072327
LC	NIC	2016	ISBM-SUS_T-N-S	9	ISBM	US	0.008386
LC	NIC	2016	ISBM-CA_N(freshwater)	10	ISBM	CA	0.102725
LC	NIC	2016	ISBM-CA_S(freshwater)	11	ISBM	CA	0
LC	NIC	2016	Esc_Stray	12	Esc_Stray	Either	0
LC	NIC	2016	Escapement	13	Esc	CA	0.766247

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MortType	Stock	Year	Fishery	FisheryNun	FisheryTyp	FisheryCou	Prop_Mort
LC	NIC	2017	SEAK_T-N-S	1	AABM	US	0
LC	NIC	2017	NBC-WCVI_T	2	AABM	CA	0.018639
LC	NIC	2017	NBC-WCVI_S	3	AABM	CA	0
LC	NIC	2017	ISBM-CA_T-N	4	ISBM	CA	0
LC	NIC	2017	ISBM-CA_S(inside)	5	ISBM	CA	0
LC	NIC	2017	Fraser_N	6	ISBM	CA	0.001864
LC	NIC	2017	ISBM-CA_S(SOG)	7	ISBM	CA	0.012116
LC	NIC	2017	ISBM-CA_S(JdF)	8	ISBM	CA	0.017707
LC	NIC	2017	ISBM-SUS_T-N-S	9	ISBM	US	0.014912
LC	NIC	2017	ISBM-CA_N(freshwater)	10	ISBM	CA	0.077353
LC	NIC	2017	ISBM-CA_S(freshwater)	11	ISBM	CA	0
LC	NIC	2017	Esc_Stray	12	Esc_Stray	Either	0
LC	NIC	2017	Escapement	13	Esc	CA	0.857409
LC	NIC	2018	SEAK_T-N-S	1	AABM	US	0
LC	NIC	2018	NBC-WCVI_T	2	AABM	CA	0.009978
LC	NIC	2018	NBC-WCVI_S	3	AABM	CA	0.002217
LC	NIC	2018	ISBM-CA_T-N	4	ISBM	CA	0
LC	NIC	2018	ISBM-CA_S(inside)	5	ISBM	CA	0
LC	NIC	2018	Fraser_N	6	ISBM	CA	0.004435
LC	NIC	2018	ISBM-CA_S(SOG)	7	ISBM	CA	0.013304
LC	NIC	2018	ISBM-CA_S(JdF)	8	ISBM	CA	0.031042
LC	NIC	2018	ISBM-SUS_T-N-S	9	ISBM	US	0.013304
LC	NIC	2018	ISBM-CA_N(freshwater)	10	ISBM	CA	0.174058
LC	NIC	2018	ISBM-CA_S(freshwater)	11	ISBM	CA	0
LC	NIC	2018	Esc_Stray	12	Esc_Stray	Either	0
LC	NIC	2018	Escapement	13	Esc	CA	0.751663
TM	NIC	1979	SEAK_T-N-S	1	AABM	US	NA
TM	NIC	1979	NBC-WCVI_T	2	AABM	CA	NA
TM	NIC	1979	NBC-WCVI_S	3	AABM	CA	NA
TM	NIC	1979	ISBM-CA_T-N	4	ISBM	CA	NA
TM	NIC	1979	ISBM-CA_S(inside)	5	ISBM	CA	NA
TM	NIC	1979	Fraser_N	6	ISBM	CA	NA
TM	NIC	1979	ISBM-CA_S(SOG)	7	ISBM	CA	NA
TM	NIC	1979	ISBM-CA_S(JdF)	8	ISBM	CA	NA
TM	NIC	1979	ISBM-SUS_T-N-S	9	ISBM	US	NA
TM	NIC	1979	ISBM-CA_N(freshwater)	10	ISBM	CA	NA
TM	NIC	1979	ISBM-CA_S(freshwater)	11	ISBM	CA	NA
TM	NIC	1979	Esc_Stray	12	Esc_Stray	Either	NA
TM	NIC	1979	Escapement	13	Esc	CA	NA
TM	NIC	1980	SEAK_T-N-S	1	AABM	US	NA
TM	NIC	1980	NBC-WCVI_T	2	AABM	CA	NA
TM	NIC	1980	NBC-WCVI_S	3	AABM	CA	NA
TM	NIC	1980	ISBM-CA_T-N	4	ISBM	CA	NA
TM	NIC	1980	ISBM-CA_S(inside)	5	ISBM	CA	NA
TM	NIC	1980	Fraser_N	6	ISBM	CA	NA
TM	NIC	1980	ISBM-CA_S(SOG)	7	ISBM	CA	NA

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MortType	Stock	Year	Fishery	FisheryNun	FisheryType	FisheryCou	Prop_Mort
TM	NIC	1980	ISBM-CA_S(JdF)	8	ISBM	CA	NA
TM	NIC	1980	ISBM-SUS_T-N-S	9	ISBM	US	NA
TM	NIC	1980	ISBM-CA_N(freshwater)	10	ISBM	CA	NA
TM	NIC	1980	ISBM-CA_S(freshwater)	11	ISBM	CA	NA
TM	NIC	1980	Esc_Stray	12	Esc_Stray	Either	NA
TM	NIC	1980	Escapement	13	Esc	CA	NA
TM	NIC	1981	SEAK_T-N-S	1	AABM	US	NA
TM	NIC	1981	NBC-WCVI_T	2	AABM	CA	NA
TM	NIC	1981	NBC-WCVI_S	3	AABM	CA	NA
TM	NIC	1981	ISBM-CA_T-N	4	ISBM	CA	NA
TM	NIC	1981	ISBM-CA_S(inside)	5	ISBM	CA	NA
TM	NIC	1981	Fraser_N	6	ISBM	CA	NA
TM	NIC	1981	ISBM-CA_S(SOG)	7	ISBM	CA	NA
TM	NIC	1981	ISBM-CA_S(JdF)	8	ISBM	CA	NA
TM	NIC	1981	ISBM-SUS_T-N-S	9	ISBM	US	NA
TM	NIC	1981	ISBM-CA_N(freshwater)	10	ISBM	CA	NA
TM	NIC	1981	ISBM-CA_S(freshwater)	11	ISBM	CA	NA
TM	NIC	1981	Esc_Stray	12	Esc_Stray	Either	NA
TM	NIC	1981	Escapement	13	Esc	CA	NA
TM	NIC	1982	SEAK_T-N-S	1	AABM	US	NA
TM	NIC	1982	NBC-WCVI_T	2	AABM	CA	NA
TM	NIC	1982	NBC-WCVI_S	3	AABM	CA	NA
TM	NIC	1982	ISBM-CA_T-N	4	ISBM	CA	NA
TM	NIC	1982	ISBM-CA_S(inside)	5	ISBM	CA	NA
TM	NIC	1982	Fraser_N	6	ISBM	CA	NA
TM	NIC	1982	ISBM-CA_S(SOG)	7	ISBM	CA	NA
TM	NIC	1982	ISBM-CA_S(JdF)	8	ISBM	CA	NA
TM	NIC	1982	ISBM-SUS_T-N-S	9	ISBM	US	NA
TM	NIC	1982	ISBM-CA_N(freshwater)	10	ISBM	CA	NA
TM	NIC	1982	ISBM-CA_S(freshwater)	11	ISBM	CA	NA
TM	NIC	1982	Esc_Stray	12	Esc_Stray	Either	NA
TM	NIC	1982	Escapement	13	Esc	CA	NA
TM	NIC	1983	SEAK_T-N-S	1	AABM	US	NA
TM	NIC	1983	NBC-WCVI_T	2	AABM	CA	NA
TM	NIC	1983	NBC-WCVI_S	3	AABM	CA	NA
TM	NIC	1983	ISBM-CA_T-N	4	ISBM	CA	NA
TM	NIC	1983	ISBM-CA_S(inside)	5	ISBM	CA	NA
TM	NIC	1983	Fraser_N	6	ISBM	CA	NA
TM	NIC	1983	ISBM-CA_S(SOG)	7	ISBM	CA	NA
TM	NIC	1983	ISBM-CA_S(JdF)	8	ISBM	CA	NA
TM	NIC	1983	ISBM-SUS_T-N-S	9	ISBM	US	NA
TM	NIC	1983	ISBM-CA_N(freshwater)	10	ISBM	CA	NA
TM	NIC	1983	ISBM-CA_S(freshwater)	11	ISBM	CA	NA
TM	NIC	1983	Esc_Stray	12	Esc_Stray	Either	NA
TM	NIC	1983	Escapement	13	Esc	CA	NA
TM	NIC	1984	SEAK_T-N-S	1	AABM	US	NA

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MortType	Stock	Year	Fishery	FisheryNun	FisheryTyp	FisheryCou	Prop_Mort
TM	NIC	1984	NBC-WCVI_T	2	AABM	CA	NA
TM	NIC	1984	NBC-WCVI_S	3	AABM	CA	NA
TM	NIC	1984	ISBM-CA_T-N	4	ISBM	CA	NA
TM	NIC	1984	ISBM-CA_S(inside)	5	ISBM	CA	NA
TM	NIC	1984	Fraser_N	6	ISBM	CA	NA
TM	NIC	1984	ISBM-CA_S(SOG)	7	ISBM	CA	NA
TM	NIC	1984	ISBM-CA_S(JdF)	8	ISBM	CA	NA
TM	NIC	1984	ISBM-SUS_T-N-S	9	ISBM	US	NA
TM	NIC	1984	ISBM-CA_N(freshwater)	10	ISBM	CA	NA
TM	NIC	1984	ISBM-CA_S(freshwater)	11	ISBM	CA	NA
TM	NIC	1984	Esc_Stray	12	Esc_Stray	Either	NA
TM	NIC	1984	Escapement	13	Esc	CA	NA
TM	NIC	1985	SEAK_T-N-S	1	AABM	US	NA
TM	NIC	1985	NBC-WCVI_T	2	AABM	CA	NA
TM	NIC	1985	NBC-WCVI_S	3	AABM	CA	NA
TM	NIC	1985	ISBM-CA_T-N	4	ISBM	CA	NA
TM	NIC	1985	ISBM-CA_S(inside)	5	ISBM	CA	NA
TM	NIC	1985	Fraser_N	6	ISBM	CA	NA
TM	NIC	1985	ISBM-CA_S(SOG)	7	ISBM	CA	NA
TM	NIC	1985	ISBM-CA_S(JdF)	8	ISBM	CA	NA
TM	NIC	1985	ISBM-SUS_T-N-S	9	ISBM	US	NA
TM	NIC	1985	ISBM-CA_N(freshwater)	10	ISBM	CA	NA
TM	NIC	1985	ISBM-CA_S(freshwater)	11	ISBM	CA	NA
TM	NIC	1985	Esc_Stray	12	Esc_Stray	Either	NA
TM	NIC	1985	Escapement	13	Esc	CA	NA
TM	NIC	1986	SEAK_T-N-S	1	AABM	US	NA
TM	NIC	1986	NBC-WCVI_T	2	AABM	CA	NA
TM	NIC	1986	NBC-WCVI_S	3	AABM	CA	NA
TM	NIC	1986	ISBM-CA_T-N	4	ISBM	CA	NA
TM	NIC	1986	ISBM-CA_S(inside)	5	ISBM	CA	NA
TM	NIC	1986	Fraser_N	6	ISBM	CA	NA
TM	NIC	1986	ISBM-CA_S(SOG)	7	ISBM	CA	NA
TM	NIC	1986	ISBM-CA_S(JdF)	8	ISBM	CA	NA
TM	NIC	1986	ISBM-SUS_T-N-S	9	ISBM	US	NA
TM	NIC	1986	ISBM-CA_N(freshwater)	10	ISBM	CA	NA
TM	NIC	1986	ISBM-CA_S(freshwater)	11	ISBM	CA	NA
TM	NIC	1986	Esc_Stray	12	Esc_Stray	Either	NA
TM	NIC	1986	Escapement	13	Esc	CA	NA
TM	NIC	1987	SEAK_T-N-S	1	AABM	US	NA
TM	NIC	1987	NBC-WCVI_T	2	AABM	CA	NA
TM	NIC	1987	NBC-WCVI_S	3	AABM	CA	NA
TM	NIC	1987	ISBM-CA_T-N	4	ISBM	CA	NA
TM	NIC	1987	ISBM-CA_S(inside)	5	ISBM	CA	NA
TM	NIC	1987	Fraser_N	6	ISBM	CA	NA
TM	NIC	1987	ISBM-CA_S(SOG)	7	ISBM	CA	NA
TM	NIC	1987	ISBM-CA_S(JdF)	8	ISBM	CA	NA

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MortType	Stock	Year	Fishery	FisheryNun	FisheryTyp	FisheryCou	Prop_Mort
TM	NIC	1987	ISBM-SUS_T-N-S	9	ISBM	US	NA
TM	NIC	1987	ISBM-CA_N(freshwater)	10	ISBM	CA	NA
TM	NIC	1987	ISBM-CA_S(freshwater)	11	ISBM	CA	NA
TM	NIC	1987	Esc_Stray	12	Esc_Stray	Either	NA
TM	NIC	1987	Escapement	13	Esc	CA	NA
TM	NIC	1988	SEAK_T-N-S	1	AABM	US	NA
TM	NIC	1988	NBC-WCVI_T	2	AABM	CA	NA
TM	NIC	1988	NBC-WCVI_S	3	AABM	CA	NA
TM	NIC	1988	ISBM-CA_T-N	4	ISBM	CA	NA
TM	NIC	1988	ISBM-CA_S(inside)	5	ISBM	CA	NA
TM	NIC	1988	Fraser_N	6	ISBM	CA	NA
TM	NIC	1988	ISBM-CA_S(SOG)	7	ISBM	CA	NA
TM	NIC	1988	ISBM-CA_S(JdF)	8	ISBM	CA	NA
TM	NIC	1988	ISBM-SUS_T-N-S	9	ISBM	US	NA
TM	NIC	1988	ISBM-CA_N(freshwater)	10	ISBM	CA	NA
TM	NIC	1988	ISBM-CA_S(freshwater)	11	ISBM	CA	NA
TM	NIC	1988	Esc_Stray	12	Esc_Stray	Either	NA
TM	NIC	1988	Escapement	13	Esc	CA	NA
TM	NIC	1989	SEAK_T-N-S	1	AABM	US	0
TM	NIC	1989	NBC-WCVI_T	2	AABM	CA	0.014329
TM	NIC	1989	NBC-WCVI_S	3	AABM	CA	0.011312
TM	NIC	1989	ISBM-CA_T-N	4	ISBM	CA	0.004525
TM	NIC	1989	ISBM-CA_S(inside)	5	ISBM	CA	0
TM	NIC	1989	Fraser_N	6	ISBM	CA	0.122172
TM	NIC	1989	ISBM-CA_S(SOG)	7	ISBM	CA	0.055807
TM	NIC	1989	ISBM-CA_S(JdF)	8	ISBM	CA	0.073152
TM	NIC	1989	ISBM-SUS_T-N-S	9	ISBM	US	0.038462
TM	NIC	1989	ISBM-CA_N(freshwater)	10	ISBM	CA	0
TM	NIC	1989	ISBM-CA_S(freshwater)	11	ISBM	CA	0.024133
TM	NIC	1989	Esc_Stray	12	Esc_Stray	Either	0.003017
TM	NIC	1989	Escapement	13	Esc	CA	0.653092
TM	NIC	1990	SEAK_T-N-S	1	AABM	US	0
TM	NIC	1990	NBC-WCVI_T	2	AABM	CA	0.044521
TM	NIC	1990	NBC-WCVI_S	3	AABM	CA	0
TM	NIC	1990	ISBM-CA_T-N	4	ISBM	CA	0
TM	NIC	1990	ISBM-CA_S(inside)	5	ISBM	CA	0
TM	NIC	1990	Fraser_N	6	ISBM	CA	0
TM	NIC	1990	ISBM-CA_S(SOG)	7	ISBM	CA	0
TM	NIC	1990	ISBM-CA_S(JdF)	8	ISBM	CA	0.020548
TM	NIC	1990	ISBM-SUS_T-N-S	9	ISBM	US	0.068493
TM	NIC	1990	ISBM-CA_N(freshwater)	10	ISBM	CA	0.136986
TM	NIC	1990	ISBM-CA_S(freshwater)	11	ISBM	CA	0.133562
TM	NIC	1990	Esc_Stray	12	Esc_Stray	Either	0.017123
TM	NIC	1990	Escapement	13	Esc	CA	0.578767
TM	NIC	1991	SEAK_T-N-S	1	AABM	US	0.007273
TM	NIC	1991	NBC-WCVI_T	2	AABM	CA	0.045091

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MortType	Stock	Year	Fishery	FisheryNun	FisheryTyp	FisheryCou	Prop_Mort
TM	NIC	1991	NBC-WCVI_S	3	AABM	CA	0.002182
TM	NIC	1991	ISBM-CA_T-N	4	ISBM	CA	0.010909
TM	NIC	1991	ISBM-CA_S(inside)	5	ISBM	CA	0
TM	NIC	1991	Fraser_N	6	ISBM	CA	0
TM	NIC	1991	ISBM-CA_S(SOG)	7	ISBM	CA	0.007273
TM	NIC	1991	ISBM-CA_S(JdF)	8	ISBM	CA	0.045091
TM	NIC	1991	ISBM-SUS_T-N-S	9	ISBM	US	0.027636
TM	NIC	1991	ISBM-CA_N(freshwater)	10	ISBM	CA	0.129455
TM	NIC	1991	ISBM-CA_S(freshwater)	11	ISBM	CA	0.072
TM	NIC	1991	Esc_Stray	12	Esc_Stray	Either	0.008727
TM	NIC	1991	Escapement	13	Esc	CA	0.644364
TM	NIC	1992	SEAK_T-N-S	1	AABM	US	0
TM	NIC	1992	NBC-WCVI_T	2	AABM	CA	0.110517
TM	NIC	1992	NBC-WCVI_S	3	AABM	CA	0
TM	NIC	1992	ISBM-CA_T-N	4	ISBM	CA	0.035651
TM	NIC	1992	ISBM-CA_S(inside)	5	ISBM	CA	0
TM	NIC	1992	Fraser_N	6	ISBM	CA	0
TM	NIC	1992	ISBM-CA_S(SOG)	7	ISBM	CA	0.035651
TM	NIC	1992	ISBM-CA_S(JdF)	8	ISBM	CA	0.046346
TM	NIC	1992	ISBM-SUS_T-N-S	9	ISBM	US	0.12656
TM	NIC	1992	ISBM-CA_N(freshwater)	10	ISBM	CA	0.062389
TM	NIC	1992	ISBM-CA_S(freshwater)	11	ISBM	CA	0.073084
TM	NIC	1992	Esc_Stray	12	Esc_Stray	Either	0.003565
TM	NIC	1992	Escapement	13	Esc	CA	0.506239
TM	NIC	1993	SEAK_T-N-S	1	AABM	US	0
TM	NIC	1993	NBC-WCVI_T	2	AABM	CA	0.088638
TM	NIC	1993	NBC-WCVI_S	3	AABM	CA	0.012087
TM	NIC	1993	ISBM-CA_T-N	4	ISBM	CA	0.013699
TM	NIC	1993	ISBM-CA_S(inside)	5	ISBM	CA	0
TM	NIC	1993	Fraser_N	6	ISBM	CA	0
TM	NIC	1993	ISBM-CA_S(SOG)	7	ISBM	CA	0.04996
TM	NIC	1993	ISBM-CA_S(JdF)	8	ISBM	CA	0.019339
TM	NIC	1993	ISBM-SUS_T-N-S	9	ISBM	US	0.051571
TM	NIC	1993	ISBM-CA_N(freshwater)	10	ISBM	CA	0.094279
TM	NIC	1993	ISBM-CA_S(freshwater)	11	ISBM	CA	0.052377
TM	NIC	1993	Esc_Stray	12	Esc_Stray	Either	0
TM	NIC	1993	Escapement	13	Esc	CA	0.61805
TM	NIC	1994	SEAK_T-N-S	1	AABM	US	0
TM	NIC	1994	NBC-WCVI_T	2	AABM	CA	0.042974
TM	NIC	1994	NBC-WCVI_S	3	AABM	CA	0.003863
TM	NIC	1994	ISBM-CA_T-N	4	ISBM	CA	0.001931
TM	NIC	1994	ISBM-CA_S(inside)	5	ISBM	CA	0
TM	NIC	1994	Fraser_N	6	ISBM	CA	0
TM	NIC	1994	ISBM-CA_S(SOG)	7	ISBM	CA	0.008209
TM	NIC	1994	ISBM-CA_S(JdF)	8	ISBM	CA	0.02704
TM	NIC	1994	ISBM-SUS_T-N-S	9	ISBM	US	0.00338

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MortType	Stock	Year	Fishery	FisheryNun	FisheryTyp	FisheryCou	Prop_Mort
TM	NIC	1994	ISBM-CA_N(freshwater)	10	ISBM	CA	0.013037
TM	NIC	1994	ISBM-CA_S(freshwater)	11	ISBM	CA	0.079672
TM	NIC	1994	Esc_Stray	12	Esc_Stray	Either	0.002414
TM	NIC	1994	Escapement	13	Esc	CA	0.817479
TM	NIC	1995	SEAK_T-N-S	1	AABM	US	0
TM	NIC	1995	NBC-WCVI_T	2	AABM	CA	0.019712
TM	NIC	1995	NBC-WCVI_S	3	AABM	CA	0.011721
TM	NIC	1995	ISBM-CA_T-N	4	ISBM	CA	0.012786
TM	NIC	1995	ISBM-CA_S(inside)	5	ISBM	CA	0
TM	NIC	1995	Fraser_N	6	ISBM	CA	0
TM	NIC	1995	ISBM-CA_S(SOG)	7	ISBM	CA	0.01545
TM	NIC	1995	ISBM-CA_S(JdF)	8	ISBM	CA	0.01545
TM	NIC	1995	ISBM-SUS_T-N-S	9	ISBM	US	0.004795
TM	NIC	1995	ISBM-CA_N(freshwater)	10	ISBM	CA	0.033564
TM	NIC	1995	ISBM-CA_S(freshwater)	11	ISBM	CA	0.036228
TM	NIC	1995	Esc_Stray	12	Esc_Stray	Either	0
TM	NIC	1995	Escapement	13	Esc	CA	0.850293
TM	NIC	1996	SEAK_T-N-S	1	AABM	US	0
TM	NIC	1996	NBC-WCVI_T	2	AABM	CA	0
TM	NIC	1996	NBC-WCVI_S	3	AABM	CA	0
TM	NIC	1996	ISBM-CA_T-N	4	ISBM	CA	0
TM	NIC	1996	ISBM-CA_S(inside)	5	ISBM	CA	0
TM	NIC	1996	Fraser_N	6	ISBM	CA	0
TM	NIC	1996	ISBM-CA_S(SOG)	7	ISBM	CA	0
TM	NIC	1996	ISBM-CA_S(JdF)	8	ISBM	CA	0
TM	NIC	1996	ISBM-SUS_T-N-S	9	ISBM	US	0
TM	NIC	1996	ISBM-CA_N(freshwater)	10	ISBM	CA	0.188406
TM	NIC	1996	ISBM-CA_S(freshwater)	11	ISBM	CA	0
TM	NIC	1996	Esc_Stray	12	Esc_Stray	Either	0
TM	NIC	1996	Escapement	13	Esc	CA	0.811594
TM	NIC	1997	SEAK_T-N-S	1	AABM	US	0
TM	NIC	1997	NBC-WCVI_T	2	AABM	CA	0
TM	NIC	1997	NBC-WCVI_S	3	AABM	CA	0
TM	NIC	1997	ISBM-CA_T-N	4	ISBM	CA	0.040179
TM	NIC	1997	ISBM-CA_S(inside)	5	ISBM	CA	0
TM	NIC	1997	Fraser_N	6	ISBM	CA	0
TM	NIC	1997	ISBM-CA_S(SOG)	7	ISBM	CA	0
TM	NIC	1997	ISBM-CA_S(JdF)	8	ISBM	CA	0.049107
TM	NIC	1997	ISBM-SUS_T-N-S	9	ISBM	US	0.111607
TM	NIC	1997	ISBM-CA_N(freshwater)	10	ISBM	CA	0.017857
TM	NIC	1997	ISBM-CA_S(freshwater)	11	ISBM	CA	0.0625
TM	NIC	1997	Esc_Stray	12	Esc_Stray	Either	0
TM	NIC	1997	Escapement	13	Esc	CA	0.71875
TM	NIC	1998	SEAK_T-N-S	1	AABM	US	0
TM	NIC	1998	NBC-WCVI_T	2	AABM	CA	0
TM	NIC	1998	NBC-WCVI_S	3	AABM	CA	0.047847

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MortType	Stock	Year	Fishery	FisheryNun	FisheryTyp	FisheryCou	Prop_Mort
TM	NIC	1998	ISBM-CA_T-N	4	ISBM	CA	0.009569
TM	NIC	1998	ISBM-CA_S(inside)	5	ISBM	CA	0
TM	NIC	1998	Fraser_N	6	ISBM	CA	0
TM	NIC	1998	ISBM-CA_S(SOG)	7	ISBM	CA	0.016746
TM	NIC	1998	ISBM-CA_S(JdF)	8	ISBM	CA	0.011962
TM	NIC	1998	ISBM-SUS_T-N-S	9	ISBM	US	0
TM	NIC	1998	ISBM-CA_N(freshwater)	10	ISBM	CA	0.100478
TM	NIC	1998	ISBM-CA_S(freshwater)	11	ISBM	CA	0.169856
TM	NIC	1998	Esc_Stray	12	Esc_Stray	Either	0
TM	NIC	1998	Escapement	13	Esc	CA	0.643541
TM	NIC	1999	SEAK_T-N-S	1	AABM	US	0
TM	NIC	1999	NBC-WCVI_T	2	AABM	CA	0
TM	NIC	1999	NBC-WCVI_S	3	AABM	CA	0
TM	NIC	1999	ISBM-CA_T-N	4	ISBM	CA	0
TM	NIC	1999	ISBM-CA_S(inside)	5	ISBM	CA	0
TM	NIC	1999	Fraser_N	6	ISBM	CA	0
TM	NIC	1999	ISBM-CA_S(SOG)	7	ISBM	CA	0.002063
TM	NIC	1999	ISBM-CA_S(JdF)	8	ISBM	CA	0.005363
TM	NIC	1999	ISBM-SUS_T-N-S	9	ISBM	US	0.008251
TM	NIC	1999	ISBM-CA_N(freshwater)	10	ISBM	CA	0.068894
TM	NIC	1999	ISBM-CA_S(freshwater)	11	ISBM	CA	0.021865
TM	NIC	1999	Esc_Stray	12	Esc_Stray	Either	0
TM	NIC	1999	Escapement	13	Esc	CA	0.893564
TM	NIC	2000	SEAK_T-N-S	1	AABM	US	0
TM	NIC	2000	NBC-WCVI_T	2	AABM	CA	0
TM	NIC	2000	NBC-WCVI_S	3	AABM	CA	0.021457
TM	NIC	2000	ISBM-CA_T-N	4	ISBM	CA	0
TM	NIC	2000	ISBM-CA_S(inside)	5	ISBM	CA	0
TM	NIC	2000	Fraser_N	6	ISBM	CA	0
TM	NIC	2000	ISBM-CA_S(SOG)	7	ISBM	CA	0.00847
TM	NIC	2000	ISBM-CA_S(JdF)	8	ISBM	CA	0.035573
TM	NIC	2000	ISBM-SUS_T-N-S	9	ISBM	US	0
TM	NIC	2000	ISBM-CA_N(freshwater)	10	ISBM	CA	0.079616
TM	NIC	2000	ISBM-CA_S(freshwater)	11	ISBM	CA	0.053077
TM	NIC	2000	Esc_Stray	12	Esc_Stray	Either	0
TM	NIC	2000	Escapement	13	Esc	CA	0.801807
TM	NIC	2001	SEAK_T-N-S	1	AABM	US	0
TM	NIC	2001	NBC-WCVI_T	2	AABM	CA	0.001326
TM	NIC	2001	NBC-WCVI_S	3	AABM	CA	0
TM	NIC	2001	ISBM-CA_T-N	4	ISBM	CA	0
TM	NIC	2001	ISBM-CA_S(inside)	5	ISBM	CA	0
TM	NIC	2001	Fraser_N	6	ISBM	CA	0
TM	NIC	2001	ISBM-CA_S(SOG)	7	ISBM	CA	0.007512
TM	NIC	2001	ISBM-CA_S(JdF)	8	ISBM	CA	0.034026
TM	NIC	2001	ISBM-SUS_T-N-S	9	ISBM	US	0.007512
TM	NIC	2001	ISBM-CA_N(freshwater)	10	ISBM	CA	0.067168

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MortType	Stock	Year	Fishery	FisheryNun	FisheryType	FisheryCou	Prop_Mort
TM	NIC	2001	ISBM-CA_S(freshwater)	11	ISBM	CA	0.043747
TM	NIC	2001	Esc_Stray	12	Esc_Stray	Either	0
TM	NIC	2001	Escapement	13	Esc	CA	0.83871
TM	NIC	2002	SEAK_T-N-S	1	AABM	US	0
TM	NIC	2002	NBC-WCVI_T	2	AABM	CA	0.020699
TM	NIC	2002	NBC-WCVI_S	3	AABM	CA	0.00345
TM	NIC	2002	ISBM-CA_T-N	4	ISBM	CA	0.002156
TM	NIC	2002	ISBM-CA_S(inside)	5	ISBM	CA	0
TM	NIC	2002	Fraser_N	6	ISBM	CA	0
TM	NIC	2002	ISBM-CA_S(SOG)	7	ISBM	CA	0.003019
TM	NIC	2002	ISBM-CA_S(JdF)	8	ISBM	CA	0.008193
TM	NIC	2002	ISBM-SUS_T-N-S	9	ISBM	US	0.010349
TM	NIC	2002	ISBM-CA_N(freshwater)	10	ISBM	CA	0.039672
TM	NIC	2002	ISBM-CA_S(freshwater)	11	ISBM	CA	0.02458
TM	NIC	2002	Esc_Stray	12	Esc_Stray	Either	0
TM	NIC	2002	Escapement	13	Esc	CA	0.887883
TM	NIC	2003	SEAK_T-N-S	1	AABM	US	0.001657
TM	NIC	2003	NBC-WCVI_T	2	AABM	CA	0.037017
TM	NIC	2003	NBC-WCVI_S	3	AABM	CA	0.006077
TM	NIC	2003	ISBM-CA_T-N	4	ISBM	CA	0
TM	NIC	2003	ISBM-CA_S(inside)	5	ISBM	CA	0
TM	NIC	2003	Fraser_N	6	ISBM	CA	0
TM	NIC	2003	ISBM-CA_S(SOG)	7	ISBM	CA	0.009392
TM	NIC	2003	ISBM-CA_S(JdF)	8	ISBM	CA	0.01768
TM	NIC	2003	ISBM-SUS_T-N-S	9	ISBM	US	0.005525
TM	NIC	2003	ISBM-CA_N(freshwater)	10	ISBM	CA	0.005525
TM	NIC	2003	ISBM-CA_S(freshwater)	11	ISBM	CA	0.067403
TM	NIC	2003	Esc_Stray	12	Esc_Stray	Either	0
TM	NIC	2003	Escapement	13	Esc	CA	0.849724
TM	NIC	2004	SEAK_T-N-S	1	AABM	US	0
TM	NIC	2004	NBC-WCVI_T	2	AABM	CA	0.043084
TM	NIC	2004	NBC-WCVI_S	3	AABM	CA	0
TM	NIC	2004	ISBM-CA_T-N	4	ISBM	CA	0
TM	NIC	2004	ISBM-CA_S(inside)	5	ISBM	CA	0
TM	NIC	2004	Fraser_N	6	ISBM	CA	0
TM	NIC	2004	ISBM-CA_S(SOG)	7	ISBM	CA	0.024943
TM	NIC	2004	ISBM-CA_S(JdF)	8	ISBM	CA	0.013605
TM	NIC	2004	ISBM-SUS_T-N-S	9	ISBM	US	0.00907
TM	NIC	2004	ISBM-CA_N(freshwater)	10	ISBM	CA	0.235828
TM	NIC	2004	ISBM-CA_S(freshwater)	11	ISBM	CA	0
TM	NIC	2004	Esc_Stray	12	Esc_Stray	Either	0
TM	NIC	2004	Escapement	13	Esc	CA	0.673469
TM	NIC	2005	SEAK_T-N-S	1	AABM	US	0
TM	NIC	2005	NBC-WCVI_T	2	AABM	CA	0.053269
TM	NIC	2005	NBC-WCVI_S	3	AABM	CA	0
TM	NIC	2005	ISBM-CA_T-N	4	ISBM	CA	0

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MortType	Stock	Year	Fishery	FisheryNun	FisheryTyp	FisheryCou	Prop_Mort
TM	NIC	2005	ISBM-CA_S(inside)	5	ISBM	CA	0
TM	NIC	2005	Fraser_N	6	ISBM	CA	0
TM	NIC	2005	ISBM-CA_S(SOG)	7	ISBM	CA	0.031477
TM	NIC	2005	ISBM-CA_S(JdF)	8	ISBM	CA	0.03632
TM	NIC	2005	ISBM-SUS_T-N-S	9	ISBM	US	0.004843
TM	NIC	2005	ISBM-CA_N(freshwater)	10	ISBM	CA	0.145278
TM	NIC	2005	ISBM-CA_S(freshwater)	11	ISBM	CA	0.1477
TM	NIC	2005	Esc_Stray	12	Esc_Stray	Either	0
TM	NIC	2005	Escapement	13	Esc	CA	0.581114
TM	NIC	2006	SEAK_T-N-S	1	AABM	US	0
TM	NIC	2006	NBC-WCVI_T	2	AABM	CA	0.032407
TM	NIC	2006	NBC-WCVI_S	3	AABM	CA	0
TM	NIC	2006	ISBM-CA_T-N	4	ISBM	CA	0
TM	NIC	2006	ISBM-CA_S(inside)	5	ISBM	CA	0
TM	NIC	2006	Fraser_N	6	ISBM	CA	0
TM	NIC	2006	ISBM-CA_S(SOG)	7	ISBM	CA	0
TM	NIC	2006	ISBM-CA_S(JdF)	8	ISBM	CA	0.027778
TM	NIC	2006	ISBM-SUS_T-N-S	9	ISBM	US	0.011574
TM	NIC	2006	ISBM-CA_N(freshwater)	10	ISBM	CA	0.138889
TM	NIC	2006	ISBM-CA_S(freshwater)	11	ISBM	CA	0.094907
TM	NIC	2006	Esc_Stray	12	Esc_Stray	Either	0
TM	NIC	2006	Escapement	13	Esc	CA	0.694444
TM	NIC	2007	SEAK_T-N-S	1	AABM	US	0
TM	NIC	2007	NBC-WCVI_T	2	AABM	CA	0.063694
TM	NIC	2007	NBC-WCVI_S	3	AABM	CA	0
TM	NIC	2007	ISBM-CA_T-N	4	ISBM	CA	0
TM	NIC	2007	ISBM-CA_S(inside)	5	ISBM	CA	0
TM	NIC	2007	Fraser_N	6	ISBM	CA	0
TM	NIC	2007	ISBM-CA_S(SOG)	7	ISBM	CA	0
TM	NIC	2007	ISBM-CA_S(JdF)	8	ISBM	CA	0
TM	NIC	2007	ISBM-SUS_T-N-S	9	ISBM	US	0.012739
TM	NIC	2007	ISBM-CA_N(freshwater)	10	ISBM	CA	0.312102
TM	NIC	2007	ISBM-CA_S(freshwater)	11	ISBM	CA	0.216561
TM	NIC	2007	Esc_Stray	12	Esc_Stray	Either	0
TM	NIC	2007	Escapement	13	Esc	CA	0.394904
TM	NIC	2008	SEAK_T-N-S	1	AABM	US	0
TM	NIC	2008	NBC-WCVI_T	2	AABM	CA	0.014423
TM	NIC	2008	NBC-WCVI_S	3	AABM	CA	0.00641
TM	NIC	2008	ISBM-CA_T-N	4	ISBM	CA	0
TM	NIC	2008	ISBM-CA_S(inside)	5	ISBM	CA	0
TM	NIC	2008	Fraser_N	6	ISBM	CA	0
TM	NIC	2008	ISBM-CA_S(SOG)	7	ISBM	CA	0.025641
TM	NIC	2008	ISBM-CA_S(JdF)	8	ISBM	CA	0.014423
TM	NIC	2008	ISBM-SUS_T-N-S	9	ISBM	US	0.030449
TM	NIC	2008	ISBM-CA_N(freshwater)	10	ISBM	CA	0.113782
TM	NIC	2008	ISBM-CA_S(freshwater)	11	ISBM	CA	0.035256

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MortType	Stock	Year	Fishery	FisheryNun	FisheryTyp	FisheryCou	Prop_Mort
TM	NIC	2008	Esc_Stray	12	Esc_Stray	Either	0
TM	NIC	2008	Escapement	13	Esc	CA	0.759615
TM	NIC	2009	SEAK_T-N-S	1	AABM	US	0
TM	NIC	2009	NBC-WCVI_T	2	AABM	CA	0.003413
TM	NIC	2009	NBC-WCVI_S	3	AABM	CA	0
TM	NIC	2009	ISBM-CA_T-N	4	ISBM	CA	0
TM	NIC	2009	ISBM-CA_S(inside)	5	ISBM	CA	0
TM	NIC	2009	Fraser_N	6	ISBM	CA	0
TM	NIC	2009	ISBM-CA_S(SOG)	7	ISBM	CA	0
TM	NIC	2009	ISBM-CA_S(JdF)	8	ISBM	CA	0.081911
TM	NIC	2009	ISBM-SUS_T-N-S	9	ISBM	US	0.071672
TM	NIC	2009	ISBM-CA_N(freshwater)	10	ISBM	CA	0.187713
TM	NIC	2009	ISBM-CA_S(freshwater)	11	ISBM	CA	0.201365
TM	NIC	2009	Esc_Stray	12	Esc_Stray	Either	0
TM	NIC	2009	Escapement	13	Esc	CA	0.453925
TM	NIC	2010	SEAK_T-N-S	1	AABM	US	0.004296
TM	NIC	2010	NBC-WCVI_T	2	AABM	CA	0.015464
TM	NIC	2010	NBC-WCVI_S	3	AABM	CA	0.002577
TM	NIC	2010	ISBM-CA_T-N	4	ISBM	CA	0
TM	NIC	2010	ISBM-CA_S(inside)	5	ISBM	CA	0
TM	NIC	2010	Fraser_N	6	ISBM	CA	0
TM	NIC	2010	ISBM-CA_S(SOG)	7	ISBM	CA	0.012028
TM	NIC	2010	ISBM-CA_S(JdF)	8	ISBM	CA	0.005584
TM	NIC	2010	ISBM-SUS_T-N-S	9	ISBM	US	0.012457
TM	NIC	2010	ISBM-CA_N(freshwater)	10	ISBM	CA	0.045962
TM	NIC	2010	ISBM-CA_S(freshwater)	11	ISBM	CA	0
TM	NIC	2010	Esc_Stray	12	Esc_Stray	Either	0
TM	NIC	2010	Escapement	13	Esc	CA	0.901632
TM	NIC	2011	SEAK_T-N-S	1	AABM	US	0
TM	NIC	2011	NBC-WCVI_T	2	AABM	CA	0.008785
TM	NIC	2011	NBC-WCVI_S	3	AABM	CA	0.004392
TM	NIC	2011	ISBM-CA_T-N	4	ISBM	CA	0
TM	NIC	2011	ISBM-CA_S(inside)	5	ISBM	CA	0
TM	NIC	2011	Fraser_N	6	ISBM	CA	0.004392
TM	NIC	2011	ISBM-CA_S(SOG)	7	ISBM	CA	0.019034
TM	NIC	2011	ISBM-CA_S(JdF)	8	ISBM	CA	0.02489
TM	NIC	2011	ISBM-SUS_T-N-S	9	ISBM	US	0.038067
TM	NIC	2011	ISBM-CA_N(freshwater)	10	ISBM	CA	0.038067
TM	NIC	2011	ISBM-CA_S(freshwater)	11	ISBM	CA	0.02489
TM	NIC	2011	Esc_Stray	12	Esc_Stray	Either	0
TM	NIC	2011	Escapement	13	Esc	CA	0.837482
TM	NIC	2012	SEAK_T-N-S	1	AABM	US	0
TM	NIC	2012	NBC-WCVI_T	2	AABM	CA	0.005533
TM	NIC	2012	NBC-WCVI_S	3	AABM	CA	0.008299
TM	NIC	2012	ISBM-CA_T-N	4	ISBM	CA	0
TM	NIC	2012	ISBM-CA_S(inside)	5	ISBM	CA	0

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MortType	Stock	Year	Fishery	FisheryNun	FisheryType	FisheryCou	Prop_Mort
TM	NIC	2012	Fraser_N	6	ISBM	CA	0.005533
TM	NIC	2012	ISBM-CA_S(SOG)	7	ISBM	CA	0.023513
TM	NIC	2012	ISBM-CA_S(JdF)	8	ISBM	CA	0.017981
TM	NIC	2012	ISBM-SUS_T-N-S	9	ISBM	US	0.087137
TM	NIC	2012	ISBM-CA_N(freshwater)	10	ISBM	CA	0.171508
TM	NIC	2012	ISBM-CA_S(freshwater)	11	ISBM	CA	0.008299
TM	NIC	2012	Esc_Stray	12	Esc_Stray	Either	0
TM	NIC	2012	Escapement	13	Esc	CA	0.672199
TM	NIC	2013	SEAK_T-N-S	1	AABM	US	0
TM	NIC	2013	NBC-WCVI_T	2	AABM	CA	0.014325
TM	NIC	2013	NBC-WCVI_S	3	AABM	CA	0
TM	NIC	2013	ISBM-CA_T-N	4	ISBM	CA	0
TM	NIC	2013	ISBM-CA_S(inside)	5	ISBM	CA	0.002046
TM	NIC	2013	Fraser_N	6	ISBM	CA	0.005457
TM	NIC	2013	ISBM-CA_S(SOG)	7	ISBM	CA	0.011596
TM	NIC	2013	ISBM-CA_S(JdF)	8	ISBM	CA	0.034789
TM	NIC	2013	ISBM-SUS_T-N-S	9	ISBM	US	0.045703
TM	NIC	2013	ISBM-CA_N(freshwater)	10	ISBM	CA	0.015689
TM	NIC	2013	ISBM-CA_S(freshwater)	11	ISBM	CA	0
TM	NIC	2013	Esc_Stray	12	Esc_Stray	Either	0
TM	NIC	2013	Escapement	13	Esc	CA	0.870396
TM	NIC	2014	SEAK_T-N-S	1	AABM	US	0
TM	NIC	2014	NBC-WCVI_T	2	AABM	CA	0.020642
TM	NIC	2014	NBC-WCVI_S	3	AABM	CA	0
TM	NIC	2014	ISBM-CA_T-N	4	ISBM	CA	0
TM	NIC	2014	ISBM-CA_S(inside)	5	ISBM	CA	0
TM	NIC	2014	Fraser_N	6	ISBM	CA	0.016055
TM	NIC	2014	ISBM-CA_S(SOG)	7	ISBM	CA	0
TM	NIC	2014	ISBM-CA_S(JdF)	8	ISBM	CA	0.009174
TM	NIC	2014	ISBM-SUS_T-N-S	9	ISBM	US	0.016055
TM	NIC	2014	ISBM-CA_N(freshwater)	10	ISBM	CA	0.091743
TM	NIC	2014	ISBM-CA_S(freshwater)	11	ISBM	CA	0.009174
TM	NIC	2014	Esc_Stray	12	Esc_Stray	Either	0
TM	NIC	2014	Escapement	13	Esc	CA	0.837156
TM	NIC	2015	SEAK_T-N-S	1	AABM	US	0
TM	NIC	2015	NBC-WCVI_T	2	AABM	CA	0.005165
TM	NIC	2015	NBC-WCVI_S	3	AABM	CA	0.001937
TM	NIC	2015	ISBM-CA_T-N	4	ISBM	CA	0
TM	NIC	2015	ISBM-CA_S(inside)	5	ISBM	CA	0
TM	NIC	2015	Fraser_N	6	ISBM	CA	0.009038
TM	NIC	2015	ISBM-CA_S(SOG)	7	ISBM	CA	0.007747
TM	NIC	2015	ISBM-CA_S(JdF)	8	ISBM	CA	0.026469
TM	NIC	2015	ISBM-SUS_T-N-S	9	ISBM	US	0.018722
TM	NIC	2015	ISBM-CA_N(freshwater)	10	ISBM	CA	0.100065
TM	NIC	2015	ISBM-CA_S(freshwater)	11	ISBM	CA	0
TM	NIC	2015	Esc_Stray	12	Esc_Stray	Either	0

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MortType	Stock	Year	Fishery	FisheryNun	FisheryTyp	FisheryCou	Prop_Mort
TM	NIC	2015	Escapement	13	Esc	CA	0.830859
TM	NIC	2016	SEAK_T-N-S	1	AABM	US	0.002056
TM	NIC	2016	NBC-WCVI_T	2	AABM	CA	0.026722
TM	NIC	2016	NBC-WCVI_S	3	AABM	CA	0
TM	NIC	2016	ISBM-CA_T-N	4	ISBM	CA	0
TM	NIC	2016	ISBM-CA_S(inside)	5	ISBM	CA	0
TM	NIC	2016	Fraser_N	6	ISBM	CA	0.007194
TM	NIC	2016	ISBM-CA_S(SOG)	7	ISBM	CA	0.025694
TM	NIC	2016	ISBM-CA_S(JdF)	8	ISBM	CA	0.076053
TM	NIC	2016	ISBM-SUS_T-N-S	9	ISBM	US	0.010278
TM	NIC	2016	ISBM-CA_N(freshwater)	10	ISBM	CA	0.100719
TM	NIC	2016	ISBM-CA_S(freshwater)	11	ISBM	CA	0
TM	NIC	2016	Esc_Stray	12	Esc_Stray	Either	0
TM	NIC	2016	Escapement	13	Esc	CA	0.751285
TM	NIC	2017	SEAK_T-N-S	1	AABM	US	0
TM	NIC	2017	NBC-WCVI_T	2	AABM	CA	0.022099
TM	NIC	2017	NBC-WCVI_S	3	AABM	CA	0
TM	NIC	2017	ISBM-CA_T-N	4	ISBM	CA	0
TM	NIC	2017	ISBM-CA_S(inside)	5	ISBM	CA	0
TM	NIC	2017	Fraser_N	6	ISBM	CA	0.001842
TM	NIC	2017	ISBM-CA_S(SOG)	7	ISBM	CA	0.015654
TM	NIC	2017	ISBM-CA_S(JdF)	8	ISBM	CA	0.018416
TM	NIC	2017	ISBM-SUS_T-N-S	9	ISBM	US	0.018416
TM	NIC	2017	ISBM-CA_N(freshwater)	10	ISBM	CA	0.076427
TM	NIC	2017	ISBM-CA_S(freshwater)	11	ISBM	CA	0
TM	NIC	2017	Esc_Stray	12	Esc_Stray	Either	0
TM	NIC	2017	Escapement	13	Esc	CA	0.847145
TM	NIC	2018	SEAK_T-N-S	1	AABM	US	0
TM	NIC	2018	NBC-WCVI_T	2	AABM	CA	0.009793
TM	NIC	2018	NBC-WCVI_S	3	AABM	CA	0.003264
TM	NIC	2018	ISBM-CA_T-N	4	ISBM	CA	0
TM	NIC	2018	ISBM-CA_S(inside)	5	ISBM	CA	0
TM	NIC	2018	Fraser_N	6	ISBM	CA	0.01197
TM	NIC	2018	ISBM-CA_S(SOG)	7	ISBM	CA	0.01741
TM	NIC	2018	ISBM-CA_S(JdF)	8	ISBM	CA	0.032644
TM	NIC	2018	ISBM-SUS_T-N-S	9	ISBM	US	0.016322
TM	NIC	2018	ISBM-CA_N(freshwater)	10	ISBM	CA	0.170838
TM	NIC	2018	ISBM-CA_S(freshwater)	11	ISBM	CA	0
TM	NIC	2018	Esc_Stray	12	Esc_Stray	Either	0
TM	NIC	2018	Escapement	13	Esc	CA	0.737758
LC	SHU	1979	SEAK_T-N-S	1	AABM	US	NA
LC	SHU	1979	NBC-WCVI_T	2	AABM	CA	NA
LC	SHU	1979	NBC-WCVI_S	3	AABM	CA	NA
LC	SHU	1979	ISBM-CA_T-N	4	ISBM	CA	NA
LC	SHU	1979	ISBM-CA_S(inside)	5	ISBM	CA	NA
LC	SHU	1979	Fraser_N	6	ISBM	CA	NA

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MortType	Stock	Year	Fishery	FisheryNun	FisheryType	FisheryCou	Prop_Mort
LC	SHU	1979	ISBM-CA_S(SOG)	7	ISBM	CA	NA
LC	SHU	1979	ISBM-CA_S(JdF)	8	ISBM	CA	NA
LC	SHU	1979	ISBM-SUS_T-N-S	9	ISBM	US	NA
LC	SHU	1979	ISBM-CA_N(freshwater)	10	ISBM	CA	NA
LC	SHU	1979	ISBM-CA_S(freshwater)	11	ISBM	CA	NA
LC	SHU	1979	Esc_Stray	12	Esc_Stray	Either	NA
LC	SHU	1979	Escapement	13	Esc	CA	NA
LC	SHU	1980	SEAK_T-N-S	1	AABM	US	NA
LC	SHU	1980	NBC-WCVI_T	2	AABM	CA	NA
LC	SHU	1980	NBC-WCVI_S	3	AABM	CA	NA
LC	SHU	1980	ISBM-CA_T-N	4	ISBM	CA	NA
LC	SHU	1980	ISBM-CA_S(inside)	5	ISBM	CA	NA
LC	SHU	1980	Fraser_N	6	ISBM	CA	NA
LC	SHU	1980	ISBM-CA_S(SOG)	7	ISBM	CA	NA
LC	SHU	1980	ISBM-CA_S(JdF)	8	ISBM	CA	NA
LC	SHU	1980	ISBM-SUS_T-N-S	9	ISBM	US	NA
LC	SHU	1980	ISBM-CA_N(freshwater)	10	ISBM	CA	NA
LC	SHU	1980	ISBM-CA_S(freshwater)	11	ISBM	CA	NA
LC	SHU	1980	Esc_Stray	12	Esc_Stray	Either	NA
LC	SHU	1980	Escapement	13	Esc	CA	NA
LC	SHU	1981	SEAK_T-N-S	1	AABM	US	NA
LC	SHU	1981	NBC-WCVI_T	2	AABM	CA	NA
LC	SHU	1981	NBC-WCVI_S	3	AABM	CA	NA
LC	SHU	1981	ISBM-CA_T-N	4	ISBM	CA	NA
LC	SHU	1981	ISBM-CA_S(inside)	5	ISBM	CA	NA
LC	SHU	1981	Fraser_N	6	ISBM	CA	NA
LC	SHU	1981	ISBM-CA_S(SOG)	7	ISBM	CA	NA
LC	SHU	1981	ISBM-CA_S(JdF)	8	ISBM	CA	NA
LC	SHU	1981	ISBM-SUS_T-N-S	9	ISBM	US	NA
LC	SHU	1981	ISBM-CA_N(freshwater)	10	ISBM	CA	NA
LC	SHU	1981	ISBM-CA_S(freshwater)	11	ISBM	CA	NA
LC	SHU	1981	Esc_Stray	12	Esc_Stray	Either	NA
LC	SHU	1981	Escapement	13	Esc	CA	NA
LC	SHU	1982	SEAK_T-N-S	1	AABM	US	NA
LC	SHU	1982	NBC-WCVI_T	2	AABM	CA	NA
LC	SHU	1982	NBC-WCVI_S	3	AABM	CA	NA
LC	SHU	1982	ISBM-CA_T-N	4	ISBM	CA	NA
LC	SHU	1982	ISBM-CA_S(inside)	5	ISBM	CA	NA
LC	SHU	1982	Fraser_N	6	ISBM	CA	NA
LC	SHU	1982	ISBM-CA_S(SOG)	7	ISBM	CA	NA
LC	SHU	1982	ISBM-CA_S(JdF)	8	ISBM	CA	NA
LC	SHU	1982	ISBM-SUS_T-N-S	9	ISBM	US	NA
LC	SHU	1982	ISBM-CA_N(freshwater)	10	ISBM	CA	NA
LC	SHU	1982	ISBM-CA_S(freshwater)	11	ISBM	CA	NA
LC	SHU	1982	Esc_Stray	12	Esc_Stray	Either	NA
LC	SHU	1982	Escapement	13	Esc	CA	NA

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MortType	Stock	Year	Fishery	FisheryNum	FisheryType	FisheryCou	Prop_Mort
LC	SHU	1983	SEAK_T-N-S	1	AABM	US	NA
LC	SHU	1983	NBC-WCVI_T	2	AABM	CA	NA
LC	SHU	1983	NBC-WCVI_S	3	AABM	CA	NA
LC	SHU	1983	ISBM-CA_T-N	4	ISBM	CA	NA
LC	SHU	1983	ISBM-CA_S(inside)	5	ISBM	CA	NA
LC	SHU	1983	Fraser_N	6	ISBM	CA	NA
LC	SHU	1983	ISBM-CA_S(SOG)	7	ISBM	CA	NA
LC	SHU	1983	ISBM-CA_S(JdF)	8	ISBM	CA	NA
LC	SHU	1983	ISBM-SUS_T-N-S	9	ISBM	US	NA
LC	SHU	1983	ISBM-CA_N(freshwater)	10	ISBM	CA	NA
LC	SHU	1983	ISBM-CA_S(freshwater)	11	ISBM	CA	NA
LC	SHU	1983	Esc_Stray	12	Esc_Stray	Either	NA
LC	SHU	1983	Escapement	13	Esc	CA	NA
LC	SHU	1984	SEAK_T-N-S	1	AABM	US	NA
LC	SHU	1984	NBC-WCVI_T	2	AABM	CA	NA
LC	SHU	1984	NBC-WCVI_S	3	AABM	CA	NA
LC	SHU	1984	ISBM-CA_T-N	4	ISBM	CA	NA
LC	SHU	1984	ISBM-CA_S(inside)	5	ISBM	CA	NA
LC	SHU	1984	Fraser_N	6	ISBM	CA	NA
LC	SHU	1984	ISBM-CA_S(SOG)	7	ISBM	CA	NA
LC	SHU	1984	ISBM-CA_S(JdF)	8	ISBM	CA	NA
LC	SHU	1984	ISBM-SUS_T-N-S	9	ISBM	US	NA
LC	SHU	1984	ISBM-CA_N(freshwater)	10	ISBM	CA	NA
LC	SHU	1984	ISBM-CA_S(freshwater)	11	ISBM	CA	NA
LC	SHU	1984	Esc_Stray	12	Esc_Stray	Either	NA
LC	SHU	1984	Escapement	13	Esc	CA	NA
LC	SHU	1985	SEAK_T-N-S	1	AABM	US	NA
LC	SHU	1985	NBC-WCVI_T	2	AABM	CA	NA
LC	SHU	1985	NBC-WCVI_S	3	AABM	CA	NA
LC	SHU	1985	ISBM-CA_T-N	4	ISBM	CA	NA
LC	SHU	1985	ISBM-CA_S(inside)	5	ISBM	CA	NA
LC	SHU	1985	Fraser_N	6	ISBM	CA	NA
LC	SHU	1985	ISBM-CA_S(SOG)	7	ISBM	CA	NA
LC	SHU	1985	ISBM-CA_S(JdF)	8	ISBM	CA	NA
LC	SHU	1985	ISBM-SUS_T-N-S	9	ISBM	US	NA
LC	SHU	1985	ISBM-CA_N(freshwater)	10	ISBM	CA	NA
LC	SHU	1985	ISBM-CA_S(freshwater)	11	ISBM	CA	NA
LC	SHU	1985	Esc_Stray	12	Esc_Stray	Either	NA
LC	SHU	1985	Escapement	13	Esc	CA	NA
LC	SHU	1986	SEAK_T-N-S	1	AABM	US	NA
LC	SHU	1986	NBC-WCVI_T	2	AABM	CA	NA
LC	SHU	1986	NBC-WCVI_S	3	AABM	CA	NA
LC	SHU	1986	ISBM-CA_T-N	4	ISBM	CA	NA
LC	SHU	1986	ISBM-CA_S(inside)	5	ISBM	CA	NA
LC	SHU	1986	Fraser_N	6	ISBM	CA	NA
LC	SHU	1986	ISBM-CA_S(SOG)	7	ISBM	CA	NA

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MortType	Stock	Year	Fishery	FisheryNun	FisheryTyp	FisheryCou	Prop_Mort
LC	SHU	1986	ISBM-CA_S(JdF)	8	ISBM	CA	NA
LC	SHU	1986	ISBM-SUS_T-N-S	9	ISBM	US	NA
LC	SHU	1986	ISBM-CA_N(freshwater)	10	ISBM	CA	NA
LC	SHU	1986	ISBM-CA_S(freshwater)	11	ISBM	CA	NA
LC	SHU	1986	Esc_Stray	12	Esc_Stray	Either	NA
LC	SHU	1986	Escapement	13	Esc	CA	NA
LC	SHU	1987	SEAK_T-N-S	1	AABM	US	0.054206
LC	SHU	1987	NBC-WCVI_T	2	AABM	CA	0.084112
LC	SHU	1987	NBC-WCVI_S	3	AABM	CA	0
LC	SHU	1987	ISBM-CA_T-N	4	ISBM	CA	0.100935
LC	SHU	1987	ISBM-CA_S(inside)	5	ISBM	CA	0.011215
LC	SHU	1987	Fraser_N	6	ISBM	CA	0.02243
LC	SHU	1987	ISBM-CA_S(SOG)	7	ISBM	CA	0.041122
LC	SHU	1987	ISBM-CA_S(JdF)	8	ISBM	CA	0.003738
LC	SHU	1987	ISBM-SUS_T-N-S	9	ISBM	US	0.033645
LC	SHU	1987	ISBM-CA_N(freshwater)	10	ISBM	CA	0.009346
LC	SHU	1987	ISBM-CA_S(freshwater)	11	ISBM	CA	0.080374
LC	SHU	1987	Esc_Stray	12	Esc_Stray	Either	0.003738
LC	SHU	1987	Escapement	13	Esc	CA	0.55514
LC	SHU	1988	SEAK_T-N-S	1	AABM	US	0.056701
LC	SHU	1988	NBC-WCVI_T	2	AABM	CA	0.125258
LC	SHU	1988	NBC-WCVI_S	3	AABM	CA	0.002577
LC	SHU	1988	ISBM-CA_T-N	4	ISBM	CA	0.046392
LC	SHU	1988	ISBM-CA_S(inside)	5	ISBM	CA	0
LC	SHU	1988	Fraser_N	6	ISBM	CA	0.049485
LC	SHU	1988	ISBM-CA_S(SOG)	7	ISBM	CA	0.013402
LC	SHU	1988	ISBM-CA_S(JdF)	8	ISBM	CA	0.014433
LC	SHU	1988	ISBM-SUS_T-N-S	9	ISBM	US	0.019072
LC	SHU	1988	ISBM-CA_N(freshwater)	10	ISBM	CA	0.009278
LC	SHU	1988	ISBM-CA_S(freshwater)	11	ISBM	CA	0.014433
LC	SHU	1988	Esc_Stray	12	Esc_Stray	Either	0.002577
LC	SHU	1988	Escapement	13	Esc	CA	0.646392
LC	SHU	1989	SEAK_T-N-S	1	AABM	US	0.051866
LC	SHU	1989	NBC-WCVI_T	2	AABM	CA	0.074004
LC	SHU	1989	NBC-WCVI_S	3	AABM	CA	0
LC	SHU	1989	ISBM-CA_T-N	4	ISBM	CA	0.086022
LC	SHU	1989	ISBM-CA_S(inside)	5	ISBM	CA	0
LC	SHU	1989	Fraser_N	6	ISBM	CA	0.049968
LC	SHU	1989	ISBM-CA_S(SOG)	7	ISBM	CA	0.003795
LC	SHU	1989	ISBM-CA_S(JdF)	8	ISBM	CA	0
LC	SHU	1989	ISBM-SUS_T-N-S	9	ISBM	US	0.015813
LC	SHU	1989	ISBM-CA_N(freshwater)	10	ISBM	CA	0.012018
LC	SHU	1989	ISBM-CA_S(freshwater)	11	ISBM	CA	0.004428
LC	SHU	1989	Esc_Stray	12	Esc_Stray	Either	0
LC	SHU	1989	Escapement	13	Esc	CA	0.702087
LC	SHU	1990	SEAK_T-N-S	1	AABM	US	0.277067

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MortType	Stock	Year	Fishery	FisheryNur	FisheryTyp	FisheryCou	Prop_Mort
LC	SHU	1990	NBC-WCVI_T	2	AABM	CA	0.214834
LC	SHU	1990	NBC-WCVI_S	3	AABM	CA	0.034101
LC	SHU	1990	ISBM-CA_T-N	4	ISBM	CA	0.050298
LC	SHU	1990	ISBM-CA_S(inside)	5	ISBM	CA	0.009378
LC	SHU	1990	Fraser_N	6	ISBM	CA	0
LC	SHU	1990	ISBM-CA_S(SOG)	7	ISBM	CA	0.007673
LC	SHU	1990	ISBM-CA_S(JdF)	8	ISBM	CA	0.009378
LC	SHU	1990	ISBM-SUS_T-N-S	9	ISBM	US	0.004263
LC	SHU	1990	ISBM-CA_N(freshwater)	10	ISBM	CA	0.080989
LC	SHU	1990	ISBM-CA_S(freshwater)	11	ISBM	CA	0.015345
LC	SHU	1990	Esc_Stray	12	Esc_Stray	Either	0.011935
LC	SHU	1990	Escapement	13	Esc	CA	0.28474
LC	SHU	1991	SEAK_T-N-S	1	AABM	US	0.299645
LC	SHU	1991	NBC-WCVI_T	2	AABM	CA	0.251773
LC	SHU	1991	NBC-WCVI_S	3	AABM	CA	0.005319
LC	SHU	1991	ISBM-CA_T-N	4	ISBM	CA	0.088653
LC	SHU	1991	ISBM-CA_S(inside)	5	ISBM	CA	0
LC	SHU	1991	Fraser_N	6	ISBM	CA	0
LC	SHU	1991	ISBM-CA_S(SOG)	7	ISBM	CA	0.008865
LC	SHU	1991	ISBM-CA_S(JdF)	8	ISBM	CA	0.005319
LC	SHU	1991	ISBM-SUS_T-N-S	9	ISBM	US	0.035461
LC	SHU	1991	ISBM-CA_N(freshwater)	10	ISBM	CA	0.058511
LC	SHU	1991	ISBM-CA_S(freshwater)	11	ISBM	CA	0.007092
LC	SHU	1991	Esc_Stray	12	Esc_Stray	Either	0.001773
LC	SHU	1991	Escapement	13	Esc	CA	0.237589
LC	SHU	1992	SEAK_T-N-S	1	AABM	US	0.114068
LC	SHU	1992	NBC-WCVI_T	2	AABM	CA	0.197719
LC	SHU	1992	NBC-WCVI_S	3	AABM	CA	0
LC	SHU	1992	ISBM-CA_T-N	4	ISBM	CA	0.121673
LC	SHU	1992	ISBM-CA_S(inside)	5	ISBM	CA	0
LC	SHU	1992	Fraser_N	6	ISBM	CA	0
LC	SHU	1992	ISBM-CA_S(SOG)	7	ISBM	CA	0.030418
LC	SHU	1992	ISBM-CA_S(JdF)	8	ISBM	CA	0.022814
LC	SHU	1992	ISBM-SUS_T-N-S	9	ISBM	US	0.015209
LC	SHU	1992	ISBM-CA_N(freshwater)	10	ISBM	CA	0.057034
LC	SHU	1992	ISBM-CA_S(freshwater)	11	ISBM	CA	0.045627
LC	SHU	1992	Esc_Stray	12	Esc_Stray	Either	0
LC	SHU	1992	Escapement	13	Esc	CA	0.395437
LC	SHU	1993	SEAK_T-N-S	1	AABM	US	0.104762
LC	SHU	1993	NBC-WCVI_T	2	AABM	CA	0.180952
LC	SHU	1993	NBC-WCVI_S	3	AABM	CA	0
LC	SHU	1993	ISBM-CA_T-N	4	ISBM	CA	0.097619
LC	SHU	1993	ISBM-CA_S(inside)	5	ISBM	CA	0
LC	SHU	1993	Fraser_N	6	ISBM	CA	0
LC	SHU	1993	ISBM-CA_S(SOG)	7	ISBM	CA	0.009524
LC	SHU	1993	ISBM-CA_S(JdF)	8	ISBM	CA	0.004762

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MortType	Stock	Year	Fishery	FisheryNun	FisheryTyp	FisheryCou	Prop_Mort
LC	SHU	1993	ISBM-SUS_T-N-S	9	ISBM	US	0.004762
LC	SHU	1993	ISBM-CA_N(freshwater)	10	ISBM	CA	0.097619
LC	SHU	1993	ISBM-CA_S(freshwater)	11	ISBM	CA	0.038095
LC	SHU	1993	Esc_Stray	12	Esc_Stray	Either	0
LC	SHU	1993	Escapement	13	Esc	CA	0.461905
LC	SHU	1994	SEAK_T-N-S	1	AABM	US	0.088204
LC	SHU	1994	NBC-WCVI_T	2	AABM	CA	0.234857
LC	SHU	1994	NBC-WCVI_S	3	AABM	CA	0.015941
LC	SHU	1994	ISBM-CA_T-N	4	ISBM	CA	0.148778
LC	SHU	1994	ISBM-CA_S(inside)	5	ISBM	CA	0
LC	SHU	1994	Fraser_N	6	ISBM	CA	0
LC	SHU	1994	ISBM-CA_S(SOG)	7	ISBM	CA	0.014878
LC	SHU	1994	ISBM-CA_S(JdF)	8	ISBM	CA	0.004251
LC	SHU	1994	ISBM-SUS_T-N-S	9	ISBM	US	0.032944
LC	SHU	1994	ISBM-CA_N(freshwater)	10	ISBM	CA	0.108395
LC	SHU	1994	ISBM-CA_S(freshwater)	11	ISBM	CA	0
LC	SHU	1994	Esc_Stray	12	Esc_Stray	Either	0.005314
LC	SHU	1994	Escapement	13	Esc	CA	0.34644
LC	SHU	1995	SEAK_T-N-S	1	AABM	US	0.155056
LC	SHU	1995	NBC-WCVI_T	2	AABM	CA	0.114607
LC	SHU	1995	NBC-WCVI_S	3	AABM	CA	0.038202
LC	SHU	1995	ISBM-CA_T-N	4	ISBM	CA	0.013483
LC	SHU	1995	ISBM-CA_S(inside)	5	ISBM	CA	0.017978
LC	SHU	1995	Fraser_N	6	ISBM	CA	0
LC	SHU	1995	ISBM-CA_S(SOG)	7	ISBM	CA	0.013483
LC	SHU	1995	ISBM-CA_S(JdF)	8	ISBM	CA	0.01573
LC	SHU	1995	ISBM-SUS_T-N-S	9	ISBM	US	0.038202
LC	SHU	1995	ISBM-CA_N(freshwater)	10	ISBM	CA	0.094382
LC	SHU	1995	ISBM-CA_S(freshwater)	11	ISBM	CA	0.004494
LC	SHU	1995	Esc_Stray	12	Esc_Stray	Either	0.006742
LC	SHU	1995	Escapement	13	Esc	CA	0.48764
LC	SHU	1996	SEAK_T-N-S	1	AABM	US	0.132857
LC	SHU	1996	NBC-WCVI_T	2	AABM	CA	0
LC	SHU	1996	NBC-WCVI_S	3	AABM	CA	0.015714
LC	SHU	1996	ISBM-CA_T-N	4	ISBM	CA	0.001429
LC	SHU	1996	ISBM-CA_S(inside)	5	ISBM	CA	0.014286
LC	SHU	1996	Fraser_N	6	ISBM	CA	0
LC	SHU	1996	ISBM-CA_S(SOG)	7	ISBM	CA	0.021429
LC	SHU	1996	ISBM-CA_S(JdF)	8	ISBM	CA	0.02
LC	SHU	1996	ISBM-SUS_T-N-S	9	ISBM	US	0
LC	SHU	1996	ISBM-CA_N(freshwater)	10	ISBM	CA	0.087143
LC	SHU	1996	ISBM-CA_S(freshwater)	11	ISBM	CA	0.011429
LC	SHU	1996	Esc_Stray	12	Esc_Stray	Either	0
LC	SHU	1996	Escapement	13	Esc	CA	0.695714
LC	SHU	1997	SEAK_T-N-S	1	AABM	US	0.117754
LC	SHU	1997	NBC-WCVI_T	2	AABM	CA	0.083333

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MortType	Stock	Year	Fishery	FisheryNun	FisheryTyp	FisheryCou	Prop_Mort
LC	SHU	1997	NBC-WCVI_S	3	AABM	CA	0.018116
LC	SHU	1997	ISBM-CA_T-N	4	ISBM	CA	0.007246
LC	SHU	1997	ISBM-CA_S(inside)	5	ISBM	CA	0.007246
LC	SHU	1997	Fraser_N	6	ISBM	CA	0
LC	SHU	1997	ISBM-CA_S(SOG)	7	ISBM	CA	0.03442
LC	SHU	1997	ISBM-CA_S(JdF)	8	ISBM	CA	0.021739
LC	SHU	1997	ISBM-SUS_T-N-S	9	ISBM	US	0.025362
LC	SHU	1997	ISBM-CA_N(freshwater)	10	ISBM	CA	0.172101
LC	SHU	1997	ISBM-CA_S(freshwater)	11	ISBM	CA	0
LC	SHU	1997	Esc_Stray	12	Esc_Stray	Either	0
LC	SHU	1997	Escapement	13	Esc	CA	0.512681
LC	SHU	1998	SEAK_T-N-S	1	AABM	US	0.285285
LC	SHU	1998	NBC-WCVI_T	2	AABM	CA	0.067568
LC	SHU	1998	NBC-WCVI_S	3	AABM	CA	0.118619
LC	SHU	1998	ISBM-CA_T-N	4	ISBM	CA	0
LC	SHU	1998	ISBM-CA_S(inside)	5	ISBM	CA	0.018018
LC	SHU	1998	Fraser_N	6	ISBM	CA	0
LC	SHU	1998	ISBM-CA_S(SOG)	7	ISBM	CA	0.058559
LC	SHU	1998	ISBM-CA_S(JdF)	8	ISBM	CA	0.015015
LC	SHU	1998	ISBM-SUS_T-N-S	9	ISBM	US	0.009009
LC	SHU	1998	ISBM-CA_N(freshwater)	10	ISBM	CA	0.061562
LC	SHU	1998	ISBM-CA_S(freshwater)	11	ISBM	CA	0.007508
LC	SHU	1998	Esc_Stray	12	Esc_Stray	Either	0.013514
LC	SHU	1998	Escapement	13	Esc	CA	0.345345
LC	SHU	1999	SEAK_T-N-S	1	AABM	US	0.181122
LC	SHU	1999	NBC-WCVI_T	2	AABM	CA	0.006378
LC	SHU	1999	NBC-WCVI_S	3	AABM	CA	0.040816
LC	SHU	1999	ISBM-CA_T-N	4	ISBM	CA	0
LC	SHU	1999	ISBM-CA_S(inside)	5	ISBM	CA	0.002551
LC	SHU	1999	Fraser_N	6	ISBM	CA	0
LC	SHU	1999	ISBM-CA_S(SOG)	7	ISBM	CA	0.038265
LC	SHU	1999	ISBM-CA_S(JdF)	8	ISBM	CA	0.005102
LC	SHU	1999	ISBM-SUS_T-N-S	9	ISBM	US	0
LC	SHU	1999	ISBM-CA_N(freshwater)	10	ISBM	CA	0.057398
LC	SHU	1999	ISBM-CA_S(freshwater)	11	ISBM	CA	0.003827
LC	SHU	1999	Esc_Stray	12	Esc_Stray	Either	0
LC	SHU	1999	Escapement	13	Esc	CA	0.664541
LC	SHU	2000	SEAK_T-N-S	1	AABM	US	0.159817
LC	SHU	2000	NBC-WCVI_T	2	AABM	CA	0
LC	SHU	2000	NBC-WCVI_S	3	AABM	CA	0.031964
LC	SHU	2000	ISBM-CA_T-N	4	ISBM	CA	0
LC	SHU	2000	ISBM-CA_S(inside)	5	ISBM	CA	0
LC	SHU	2000	Fraser_N	6	ISBM	CA	0
LC	SHU	2000	ISBM-CA_S(SOG)	7	ISBM	CA	0.025875
LC	SHU	2000	ISBM-CA_S(JdF)	8	ISBM	CA	0.010655
LC	SHU	2000	ISBM-SUS_T-N-S	9	ISBM	US	0.006088

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MortType	Stock	Year	Fishery	FisheryNun	FisheryTyp	FisheryCou	Prop_Mort
LC	SHU	2000	ISBM-CA_N(freshwater)	10	ISBM	CA	0.070015
LC	SHU	2000	ISBM-CA_S(freshwater)	11	ISBM	CA	0.013699
LC	SHU	2000	Esc_Stray	12	Esc_Stray	Either	0.010655
LC	SHU	2000	Escapement	13	Esc	CA	0.671233
LC	SHU	2001	SEAK_T-N-S	1	AABM	US	0.069725
LC	SHU	2001	NBC-WCVI_T	2	AABM	CA	0
LC	SHU	2001	NBC-WCVI_S	3	AABM	CA	0
LC	SHU	2001	ISBM-CA_T-N	4	ISBM	CA	0.002752
LC	SHU	2001	ISBM-CA_S(inside)	5	ISBM	CA	0.009174
LC	SHU	2001	Fraser_N	6	ISBM	CA	0
LC	SHU	2001	ISBM-CA_S(SOG)	7	ISBM	CA	0.063303
LC	SHU	2001	ISBM-CA_S(JdF)	8	ISBM	CA	0.018349
LC	SHU	2001	ISBM-SUS_T-N-S	9	ISBM	US	0.005505
LC	SHU	2001	ISBM-CA_N(freshwater)	10	ISBM	CA	0.015596
LC	SHU	2001	ISBM-CA_S(freshwater)	11	ISBM	CA	0.015596
LC	SHU	2001	Esc_Stray	12	Esc_Stray	Either	0
LC	SHU	2001	Escapement	13	Esc	CA	0.8
LC	SHU	2002	SEAK_T-N-S	1	AABM	US	0.183518
LC	SHU	2002	NBC-WCVI_T	2	AABM	CA	0.126731
LC	SHU	2002	NBC-WCVI_S	3	AABM	CA	0.034626
LC	SHU	2002	ISBM-CA_T-N	4	ISBM	CA	0.000693
LC	SHU	2002	ISBM-CA_S(inside)	5	ISBM	CA	0.015236
LC	SHU	2002	Fraser_N	6	ISBM	CA	0
LC	SHU	2002	ISBM-CA_S(SOG)	7	ISBM	CA	0.020776
LC	SHU	2002	ISBM-CA_S(JdF)	8	ISBM	CA	0.015236
LC	SHU	2002	ISBM-SUS_T-N-S	9	ISBM	US	0
LC	SHU	2002	ISBM-CA_N(freshwater)	10	ISBM	CA	0.092798
LC	SHU	2002	ISBM-CA_S(freshwater)	11	ISBM	CA	0.004848
LC	SHU	2002	Esc_Stray	12	Esc_Stray	Either	0
LC	SHU	2002	Escapement	13	Esc	CA	0.50554
LC	SHU	2003	SEAK_T-N-S	1	AABM	US	0.109121
LC	SHU	2003	NBC-WCVI_T	2	AABM	CA	0.072188
LC	SHU	2003	NBC-WCVI_S	3	AABM	CA	0.020146
LC	SHU	2003	ISBM-CA_T-N	4	ISBM	CA	0.008954
LC	SHU	2003	ISBM-CA_S(inside)	5	ISBM	CA	0.006715
LC	SHU	2003	Fraser_N	6	ISBM	CA	0
LC	SHU	2003	ISBM-CA_S(SOG)	7	ISBM	CA	0.026861
LC	SHU	2003	ISBM-CA_S(JdF)	8	ISBM	CA	0.039172
LC	SHU	2003	ISBM-SUS_T-N-S	9	ISBM	US	0.008394
LC	SHU	2003	ISBM-CA_N(freshwater)	10	ISBM	CA	0.047566
LC	SHU	2003	ISBM-CA_S(freshwater)	11	ISBM	CA	0.022944
LC	SHU	2003	Esc_Stray	12	Esc_Stray	Either	0
LC	SHU	2003	Escapement	13	Esc	CA	0.637941
LC	SHU	2004	SEAK_T-N-S	1	AABM	US	0.178908
LC	SHU	2004	NBC-WCVI_T	2	AABM	CA	0.092279
LC	SHU	2004	NBC-WCVI_S	3	AABM	CA	0.02919

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MortType	Stock	Year	Fishery	FisheryNun	FisheryTyp	FisheryCou	Prop_Mort
LC	SHU	2004	ISBM-CA_T-N	4	ISBM	CA	0
LC	SHU	2004	ISBM-CA_S(inside)	5	ISBM	CA	0.043315
LC	SHU	2004	Fraser_N	6	ISBM	CA	0
LC	SHU	2004	ISBM-CA_S(SOG)	7	ISBM	CA	0.046139
LC	SHU	2004	ISBM-CA_S(JdF)	8	ISBM	CA	0.00565
LC	SHU	2004	ISBM-SUS_T-N-S	9	ISBM	US	0.014124
LC	SHU	2004	ISBM-CA_N(freshwater)	10	ISBM	CA	0.129944
LC	SHU	2004	ISBM-CA_S(freshwater)	11	ISBM	CA	0.028249
LC	SHU	2004	Esc_Stray	12	Esc_Stray	Either	0
LC	SHU	2004	Escapement	13	Esc	CA	0.432203
LC	SHU	2005	SEAK_T-N-S	1	AABM	US	0.150993
LC	SHU	2005	NBC-WCVI_T	2	AABM	CA	0.113907
LC	SHU	2005	NBC-WCVI_S	3	AABM	CA	0.076821
LC	SHU	2005	ISBM-CA_T-N	4	ISBM	CA	0
LC	SHU	2005	ISBM-CA_S(inside)	5	ISBM	CA	0.01457
LC	SHU	2005	Fraser_N	6	ISBM	CA	0
LC	SHU	2005	ISBM-CA_S(SOG)	7	ISBM	CA	0.112583
LC	SHU	2005	ISBM-CA_S(JdF)	8	ISBM	CA	0.022517
LC	SHU	2005	ISBM-SUS_T-N-S	9	ISBM	US	0.006623
LC	SHU	2005	ISBM-CA_N(freshwater)	10	ISBM	CA	0.076821
LC	SHU	2005	ISBM-CA_S(freshwater)	11	ISBM	CA	0.038411
LC	SHU	2005	Esc_Stray	12	Esc_Stray	Either	0
LC	SHU	2005	Escapement	13	Esc	CA	0.386755
LC	SHU	2006	SEAK_T-N-S	1	AABM	US	0.142403
LC	SHU	2006	NBC-WCVI_T	2	AABM	CA	0.130469
LC	SHU	2006	NBC-WCVI_S	3	AABM	CA	0.08035
LC	SHU	2006	ISBM-CA_T-N	4	ISBM	CA	0
LC	SHU	2006	ISBM-CA_S(inside)	5	ISBM	CA	0.015115
LC	SHU	2006	Fraser_N	6	ISBM	CA	0
LC	SHU	2006	ISBM-CA_S(SOG)	7	ISBM	CA	0.082737
LC	SHU	2006	ISBM-CA_S(JdF)	8	ISBM	CA	0.011933
LC	SHU	2006	ISBM-SUS_T-N-S	9	ISBM	US	0.010342
LC	SHU	2006	ISBM-CA_N(freshwater)	10	ISBM	CA	0.075577
LC	SHU	2006	ISBM-CA_S(freshwater)	11	ISBM	CA	0.031026
LC	SHU	2006	Esc_Stray	12	Esc_Stray	Either	0.008751
LC	SHU	2006	Escapement	13	Esc	CA	0.411297
LC	SHU	2007	SEAK_T-N-S	1	AABM	US	0.101415
LC	SHU	2007	NBC-WCVI_T	2	AABM	CA	0.028302
LC	SHU	2007	NBC-WCVI_S	3	AABM	CA	0.068396
LC	SHU	2007	ISBM-CA_T-N	4	ISBM	CA	0
LC	SHU	2007	ISBM-CA_S(inside)	5	ISBM	CA	0
LC	SHU	2007	Fraser_N	6	ISBM	CA	0.004717
LC	SHU	2007	ISBM-CA_S(SOG)	7	ISBM	CA	0.011793
LC	SHU	2007	ISBM-CA_S(JdF)	8	ISBM	CA	0.021226
LC	SHU	2007	ISBM-SUS_T-N-S	9	ISBM	US	0
LC	SHU	2007	ISBM-CA_N(freshwater)	10	ISBM	CA	0.063679

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MortType	Stock	Year	Fishery	FisheryNun	FisheryTyp	FisheryCou	Prop_Mort
LC	SHU	2007	ISBM-CA_S(freshwater)	11	ISBM	CA	0.056604
LC	SHU	2007	Esc_Stray	12	Esc_Stray	Either	0
LC	SHU	2007	Escapement	13	Esc	CA	0.643868
LC	SHU	2008	SEAK_T-N-S	1	AABM	US	0.069581
LC	SHU	2008	NBC-WCVI_T	2	AABM	CA	0.066503
LC	SHU	2008	NBC-WCVI_S	3	AABM	CA	0.081897
LC	SHU	2008	ISBM-CA_T-N	4	ISBM	CA	0
LC	SHU	2008	ISBM-CA_S(inside)	5	ISBM	CA	0
LC	SHU	2008	Fraser_N	6	ISBM	CA	0
LC	SHU	2008	ISBM-CA_S(SOG)	7	ISBM	CA	0.043103
LC	SHU	2008	ISBM-CA_S(JdF)	8	ISBM	CA	0.021552
LC	SHU	2008	ISBM-SUS_T-N-S	9	ISBM	US	0
LC	SHU	2008	ISBM-CA_N(freshwater)	10	ISBM	CA	0.031404
LC	SHU	2008	ISBM-CA_S(freshwater)	11	ISBM	CA	0.030788
LC	SHU	2008	Esc_Stray	12	Esc_Stray	Either	0
LC	SHU	2008	Escapement	13	Esc	CA	0.655172
LC	SHU	2009	SEAK_T-N-S	1	AABM	US	0.084177
LC	SHU	2009	NBC-WCVI_T	2	AABM	CA	0.062658
LC	SHU	2009	NBC-WCVI_S	3	AABM	CA	0.049367
LC	SHU	2009	ISBM-CA_T-N	4	ISBM	CA	0
LC	SHU	2009	ISBM-CA_S(inside)	5	ISBM	CA	0.005063
LC	SHU	2009	Fraser_N	6	ISBM	CA	0
LC	SHU	2009	ISBM-CA_S(SOG)	7	ISBM	CA	0.043038
LC	SHU	2009	ISBM-CA_S(JdF)	8	ISBM	CA	0.041772
LC	SHU	2009	ISBM-SUS_T-N-S	9	ISBM	US	0.003165
LC	SHU	2009	ISBM-CA_N(freshwater)	10	ISBM	CA	0.106962
LC	SHU	2009	ISBM-CA_S(freshwater)	11	ISBM	CA	0.062025
LC	SHU	2009	Esc_Stray	12	Esc_Stray	Either	0.002532
LC	SHU	2009	Escapement	13	Esc	CA	0.539241
LC	SHU	2010	SEAK_T-N-S	1	AABM	US	0.095313
LC	SHU	2010	NBC-WCVI_T	2	AABM	CA	0.090574
LC	SHU	2010	NBC-WCVI_S	3	AABM	CA	0.031069
LC	SHU	2010	ISBM-CA_T-N	4	ISBM	CA	0
LC	SHU	2010	ISBM-CA_S(inside)	5	ISBM	CA	0.00316
LC	SHU	2010	Fraser_N	6	ISBM	CA	0
LC	SHU	2010	ISBM-CA_S(SOG)	7	ISBM	CA	0.067404
LC	SHU	2010	ISBM-CA_S(JdF)	8	ISBM	CA	0.022117
LC	SHU	2010	ISBM-SUS_T-N-S	9	ISBM	US	0.020537
LC	SHU	2010	ISBM-CA_N(freshwater)	10	ISBM	CA	0.100053
LC	SHU	2010	ISBM-CA_S(freshwater)	11	ISBM	CA	0.019484
LC	SHU	2010	Esc_Stray	12	Esc_Stray	Either	0.012638
LC	SHU	2010	Escapement	13	Esc	CA	0.537651
LC	SHU	2011	SEAK_T-N-S	1	AABM	US	0.086047
LC	SHU	2011	NBC-WCVI_T	2	AABM	CA	0.075
LC	SHU	2011	NBC-WCVI_S	3	AABM	CA	0.040116
LC	SHU	2011	ISBM-CA_T-N	4	ISBM	CA	0

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MortType	Stock	Year	Fishery	FisheryNun	FisheryType	FisheryCou	Prop_Mort
LC	SHU	2011	ISBM-CA_S(inside)	5	ISBM	CA	0.002326
LC	SHU	2011	Fraser_N	6	ISBM	CA	0.009884
LC	SHU	2011	ISBM-CA_S(SOG)	7	ISBM	CA	0.038372
LC	SHU	2011	ISBM-CA_S(JdF)	8	ISBM	CA	0.036628
LC	SHU	2011	ISBM-SUS_T-N-S	9	ISBM	US	0.011047
LC	SHU	2011	ISBM-CA_N(freshwater)	10	ISBM	CA	0.1
LC	SHU	2011	ISBM-CA_S(freshwater)	11	ISBM	CA	0.02907
LC	SHU	2011	Esc_Stray	12	Esc_Stray	Either	0.000581
LC	SHU	2011	Escapement	13	Esc	CA	0.57093
LC	SHU	2012	SEAK_T-N-S	1	AABM	US	0.064441
LC	SHU	2012	NBC-WCVI_T	2	AABM	CA	0.072642
LC	SHU	2012	NBC-WCVI_S	3	AABM	CA	0.039836
LC	SHU	2012	ISBM-CA_T-N	4	ISBM	CA	0
LC	SHU	2012	ISBM-CA_S(inside)	5	ISBM	CA	0.008787
LC	SHU	2012	Fraser_N	6	ISBM	CA	0.004101
LC	SHU	2012	ISBM-CA_S(SOG)	7	ISBM	CA	0.049795
LC	SHU	2012	ISBM-CA_S(JdF)	8	ISBM	CA	0.041593
LC	SHU	2012	ISBM-SUS_T-N-S	9	ISBM	US	0.015231
LC	SHU	2012	ISBM-CA_N(freshwater)	10	ISBM	CA	0.050967
LC	SHU	2012	ISBM-CA_S(freshwater)	11	ISBM	CA	0.052138
LC	SHU	2012	Esc_Stray	12	Esc_Stray	Either	0
LC	SHU	2012	Escapement	13	Esc	CA	0.600469
LC	SHU	2013	SEAK_T-N-S	1	AABM	US	0.058164
LC	SHU	2013	NBC-WCVI_T	2	AABM	CA	0.060432
LC	SHU	2013	NBC-WCVI_S	3	AABM	CA	0.037887
LC	SHU	2013	ISBM-CA_T-N	4	ISBM	CA	0
LC	SHU	2013	ISBM-CA_S(inside)	5	ISBM	CA	0.004936
LC	SHU	2013	Fraser_N	6	ISBM	CA	0.006937
LC	SHU	2013	ISBM-CA_S(SOG)	7	ISBM	CA	0.042956
LC	SHU	2013	ISBM-CA_S(JdF)	8	ISBM	CA	0.051761
LC	SHU	2013	ISBM-SUS_T-N-S	9	ISBM	US	0.014274
LC	SHU	2013	ISBM-CA_N(freshwater)	10	ISBM	CA	0.027215
LC	SHU	2013	ISBM-CA_S(freshwater)	11	ISBM	CA	0.021078
LC	SHU	2013	Esc_Stray	12	Esc_Stray	Either	0.010005
LC	SHU	2013	Escapement	13	Esc	CA	0.664354
LC	SHU	2014	SEAK_T-N-S	1	AABM	US	0.107796
LC	SHU	2014	NBC-WCVI_T	2	AABM	CA	0.097155
LC	SHU	2014	NBC-WCVI_S	3	AABM	CA	0.037011
LC	SHU	2014	ISBM-CA_T-N	4	ISBM	CA	0.000694
LC	SHU	2014	ISBM-CA_S(inside)	5	ISBM	CA	0.003238
LC	SHU	2014	Fraser_N	6	ISBM	CA	0.012954
LC	SHU	2014	ISBM-CA_S(SOG)	7	ISBM	CA	0.028221
LC	SHU	2014	ISBM-CA_S(JdF)	8	ISBM	CA	0.022438
LC	SHU	2014	ISBM-SUS_T-N-S	9	ISBM	US	0.035161
LC	SHU	2014	ISBM-CA_N(freshwater)	10	ISBM	CA	0.086745
LC	SHU	2014	ISBM-CA_S(freshwater)	11	ISBM	CA	0.018043

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MortType	Stock	Year	Fishery	FisheryNun	FisheryTyp	FisheryCou	Prop_Mort
LC	SHU	2014	Esc_Stray	12	Esc_Stray	Either	0.009715
LC	SHU	2014	Escapement	13	Esc	CA	0.540828
LC	SHU	2015	SEAK_T-N-S	1	AABM	US	0.061522
LC	SHU	2015	NBC-WCVI_T	2	AABM	CA	0.038165
LC	SHU	2015	NBC-WCVI_S	3	AABM	CA	0.022106
LC	SHU	2015	ISBM-CA_T-N	4	ISBM	CA	0
LC	SHU	2015	ISBM-CA_S(inside)	5	ISBM	CA	0.007508
LC	SHU	2015	Fraser_N	6	ISBM	CA	0.004797
LC	SHU	2015	ISBM-CA_S(SOG)	7	ISBM	CA	0.042127
LC	SHU	2015	ISBM-CA_S(JdF)	8	ISBM	CA	0.0317
LC	SHU	2015	ISBM-SUS_T-N-S	9	ISBM	US	0.042753
LC	SHU	2015	ISBM-CA_N(freshwater)	10	ISBM	CA	0.030657
LC	SHU	2015	ISBM-CA_S(freshwater)	11	ISBM	CA	0.029823
LC	SHU	2015	Esc_Stray	12	Esc_Stray	Either	0.01439
LC	SHU	2015	Escapement	13	Esc	CA	0.674453
LC	SHU	2016	SEAK_T-N-S	1	AABM	US	0.102449
LC	SHU	2016	NBC-WCVI_T	2	AABM	CA	0.098451
LC	SHU	2016	NBC-WCVI_S	3	AABM	CA	0.029985
LC	SHU	2016	ISBM-CA_T-N	4	ISBM	CA	0
LC	SHU	2016	ISBM-CA_S(inside)	5	ISBM	CA	0.004998
LC	SHU	2016	Fraser_N	6	ISBM	CA	0.003998
LC	SHU	2016	ISBM-CA_S(SOG)	7	ISBM	CA	0.047976
LC	SHU	2016	ISBM-CA_S(JdF)	8	ISBM	CA	0.005997
LC	SHU	2016	ISBM-SUS_T-N-S	9	ISBM	US	0.008496
LC	SHU	2016	ISBM-CA_N(freshwater)	10	ISBM	CA	0.027486
LC	SHU	2016	ISBM-CA_S(freshwater)	11	ISBM	CA	0.011994
LC	SHU	2016	Esc_Stray	12	Esc_Stray	Either	0
LC	SHU	2016	Escapement	13	Esc	CA	0.658171
LC	SHU	2017	SEAK_T-N-S	1	AABM	US	0.110403
LC	SHU	2017	NBC-WCVI_T	2	AABM	CA	0.081741
LC	SHU	2017	NBC-WCVI_S	3	AABM	CA	0.051309
LC	SHU	2017	ISBM-CA_T-N	4	ISBM	CA	0
LC	SHU	2017	ISBM-CA_S(inside)	5	ISBM	CA	0.005662
LC	SHU	2017	Fraser_N	6	ISBM	CA	0.002477
LC	SHU	2017	ISBM-CA_S(SOG)	7	ISBM	CA	0.072895
LC	SHU	2017	ISBM-CA_S(JdF)	8	ISBM	CA	0.026893
LC	SHU	2017	ISBM-SUS_T-N-S	9	ISBM	US	0.014508
LC	SHU	2017	ISBM-CA_N(freshwater)	10	ISBM	CA	0.029724
LC	SHU	2017	ISBM-CA_S(freshwater)	11	ISBM	CA	0.016985
LC	SHU	2017	Esc_Stray	12	Esc_Stray	Either	0.005308
LC	SHU	2017	Escapement	13	Esc	CA	0.582095
LC	SHU	2018	SEAK_T-N-S	1	AABM	US	0.042866
LC	SHU	2018	NBC-WCVI_T	2	AABM	CA	0.037823
LC	SHU	2018	NBC-WCVI_S	3	AABM	CA	0.035932
LC	SHU	2018	ISBM-CA_T-N	4	ISBM	CA	0
LC	SHU	2018	ISBM-CA_S(inside)	5	ISBM	CA	0.000841

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MortType	Stock	Year	Fishery	FisheryNun	FisheryTyp	FisheryCou	Prop_Mort
LC	SHU	2018	Fraser_N	6	ISBM	CA	0.005673
LC	SHU	2018	ISBM-CA_S(SOG)	7	ISBM	CA	0.043497
LC	SHU	2018	ISBM-CA_S(JdF)	8	ISBM	CA	0.042026
LC	SHU	2018	ISBM-SUS_T-N-S	9	ISBM	US	0.010296
LC	SHU	2018	ISBM-CA_N(freshwater)	10	ISBM	CA	0.04938
LC	SHU	2018	ISBM-CA_S(freshwater)	11	ISBM	CA	0.028367
LC	SHU	2018	Esc_Stray	12	Esc_Stray	Either	0.003152
LC	SHU	2018	Escapement	13	Esc	CA	0.700147
TM	SHU	1979	SEAK_T-N-S	1	AABM	US	NA
TM	SHU	1979	NBC-WCVI_T	2	AABM	CA	NA
TM	SHU	1979	NBC-WCVI_S	3	AABM	CA	NA
TM	SHU	1979	ISBM-CA_T-N	4	ISBM	CA	NA
TM	SHU	1979	ISBM-CA_S(inside)	5	ISBM	CA	NA
TM	SHU	1979	Fraser_N	6	ISBM	CA	NA
TM	SHU	1979	ISBM-CA_S(SOG)	7	ISBM	CA	NA
TM	SHU	1979	ISBM-CA_S(JdF)	8	ISBM	CA	NA
TM	SHU	1979	ISBM-SUS_T-N-S	9	ISBM	US	NA
TM	SHU	1979	ISBM-CA_N(freshwater)	10	ISBM	CA	NA
TM	SHU	1979	ISBM-CA_S(freshwater)	11	ISBM	CA	NA
TM	SHU	1979	Esc_Stray	12	Esc_Stray	Either	NA
TM	SHU	1979	Escapement	13	Esc	CA	NA
TM	SHU	1980	SEAK_T-N-S	1	AABM	US	NA
TM	SHU	1980	NBC-WCVI_T	2	AABM	CA	NA
TM	SHU	1980	NBC-WCVI_S	3	AABM	CA	NA
TM	SHU	1980	ISBM-CA_T-N	4	ISBM	CA	NA
TM	SHU	1980	ISBM-CA_S(inside)	5	ISBM	CA	NA
TM	SHU	1980	Fraser_N	6	ISBM	CA	NA
TM	SHU	1980	ISBM-CA_S(SOG)	7	ISBM	CA	NA
TM	SHU	1980	ISBM-CA_S(JdF)	8	ISBM	CA	NA
TM	SHU	1980	ISBM-SUS_T-N-S	9	ISBM	US	NA
TM	SHU	1980	ISBM-CA_N(freshwater)	10	ISBM	CA	NA
TM	SHU	1980	ISBM-CA_S(freshwater)	11	ISBM	CA	NA
TM	SHU	1980	Esc_Stray	12	Esc_Stray	Either	NA
TM	SHU	1980	Escapement	13	Esc	CA	NA
TM	SHU	1981	SEAK_T-N-S	1	AABM	US	NA
TM	SHU	1981	NBC-WCVI_T	2	AABM	CA	NA
TM	SHU	1981	NBC-WCVI_S	3	AABM	CA	NA
TM	SHU	1981	ISBM-CA_T-N	4	ISBM	CA	NA
TM	SHU	1981	ISBM-CA_S(inside)	5	ISBM	CA	NA
TM	SHU	1981	Fraser_N	6	ISBM	CA	NA
TM	SHU	1981	ISBM-CA_S(SOG)	7	ISBM	CA	NA
TM	SHU	1981	ISBM-CA_S(JdF)	8	ISBM	CA	NA
TM	SHU	1981	ISBM-SUS_T-N-S	9	ISBM	US	NA
TM	SHU	1981	ISBM-CA_N(freshwater)	10	ISBM	CA	NA
TM	SHU	1981	ISBM-CA_S(freshwater)	11	ISBM	CA	NA
TM	SHU	1981	Esc_Stray	12	Esc_Stray	Either	NA

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MortType	Stock	Year	Fishery	FisheryNun	FisheryTyp	FisheryCou	Prop_Mort
TM	SHU	1981	Escapement	13	Esc	CA	NA
TM	SHU	1982	SEAK_T-N-S	1	AABM	US	NA
TM	SHU	1982	NBC-WCVI_T	2	AABM	CA	NA
TM	SHU	1982	NBC-WCVI_S	3	AABM	CA	NA
TM	SHU	1982	ISBM-CA_T-N	4	ISBM	CA	NA
TM	SHU	1982	ISBM-CA_S(inside)	5	ISBM	CA	NA
TM	SHU	1982	Fraser_N	6	ISBM	CA	NA
TM	SHU	1982	ISBM-CA_S(SOG)	7	ISBM	CA	NA
TM	SHU	1982	ISBM-CA_S(JdF)	8	ISBM	CA	NA
TM	SHU	1982	ISBM-SUS_T-N-S	9	ISBM	US	NA
TM	SHU	1982	ISBM-CA_N(freshwater)	10	ISBM	CA	NA
TM	SHU	1982	ISBM-CA_S(freshwater)	11	ISBM	CA	NA
TM	SHU	1982	Esc_Stray	12	Esc_Stray	Either	NA
TM	SHU	1982	Escapement	13	Esc	CA	NA
TM	SHU	1983	SEAK_T-N-S	1	AABM	US	NA
TM	SHU	1983	NBC-WCVI_T	2	AABM	CA	NA
TM	SHU	1983	NBC-WCVI_S	3	AABM	CA	NA
TM	SHU	1983	ISBM-CA_T-N	4	ISBM	CA	NA
TM	SHU	1983	ISBM-CA_S(inside)	5	ISBM	CA	NA
TM	SHU	1983	Fraser_N	6	ISBM	CA	NA
TM	SHU	1983	ISBM-CA_S(SOG)	7	ISBM	CA	NA
TM	SHU	1983	ISBM-CA_S(JdF)	8	ISBM	CA	NA
TM	SHU	1983	ISBM-SUS_T-N-S	9	ISBM	US	NA
TM	SHU	1983	ISBM-CA_N(freshwater)	10	ISBM	CA	NA
TM	SHU	1983	ISBM-CA_S(freshwater)	11	ISBM	CA	NA
TM	SHU	1983	Esc_Stray	12	Esc_Stray	Either	NA
TM	SHU	1983	Escapement	13	Esc	CA	NA
TM	SHU	1984	SEAK_T-N-S	1	AABM	US	NA
TM	SHU	1984	NBC-WCVI_T	2	AABM	CA	NA
TM	SHU	1984	NBC-WCVI_S	3	AABM	CA	NA
TM	SHU	1984	ISBM-CA_T-N	4	ISBM	CA	NA
TM	SHU	1984	ISBM-CA_S(inside)	5	ISBM	CA	NA
TM	SHU	1984	Fraser_N	6	ISBM	CA	NA
TM	SHU	1984	ISBM-CA_S(SOG)	7	ISBM	CA	NA
TM	SHU	1984	ISBM-CA_S(JdF)	8	ISBM	CA	NA
TM	SHU	1984	ISBM-SUS_T-N-S	9	ISBM	US	NA
TM	SHU	1984	ISBM-CA_N(freshwater)	10	ISBM	CA	NA
TM	SHU	1984	ISBM-CA_S(freshwater)	11	ISBM	CA	NA
TM	SHU	1984	Esc_Stray	12	Esc_Stray	Either	NA
TM	SHU	1984	Escapement	13	Esc	CA	NA
TM	SHU	1985	SEAK_T-N-S	1	AABM	US	NA
TM	SHU	1985	NBC-WCVI_T	2	AABM	CA	NA
TM	SHU	1985	NBC-WCVI_S	3	AABM	CA	NA
TM	SHU	1985	ISBM-CA_T-N	4	ISBM	CA	NA
TM	SHU	1985	ISBM-CA_S(inside)	5	ISBM	CA	NA
TM	SHU	1985	Fraser_N	6	ISBM	CA	NA

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MortType	Stock	Year	Fishery	FisheryNun	FisheryTyp	FisheryCou	Prop_Mort
TM	SHU	1985	ISBM-CA_S(SOG)	7	ISBM	CA	NA
TM	SHU	1985	ISBM-CA_S(JdF)	8	ISBM	CA	NA
TM	SHU	1985	ISBM-SUS_T-N-S	9	ISBM	US	NA
TM	SHU	1985	ISBM-CA_N(freshwater)	10	ISBM	CA	NA
TM	SHU	1985	ISBM-CA_S(freshwater)	11	ISBM	CA	NA
TM	SHU	1985	Esc_Stray	12	Esc_Stray	Either	NA
TM	SHU	1985	Escapement	13	Esc	CA	NA
TM	SHU	1986	SEAK_T-N-S	1	AABM	US	NA
TM	SHU	1986	NBC-WCVI_T	2	AABM	CA	NA
TM	SHU	1986	NBC-WCVI_S	3	AABM	CA	NA
TM	SHU	1986	ISBM-CA_T-N	4	ISBM	CA	NA
TM	SHU	1986	ISBM-CA_S(inside)	5	ISBM	CA	NA
TM	SHU	1986	Fraser_N	6	ISBM	CA	NA
TM	SHU	1986	ISBM-CA_S(SOG)	7	ISBM	CA	NA
TM	SHU	1986	ISBM-CA_S(JdF)	8	ISBM	CA	NA
TM	SHU	1986	ISBM-SUS_T-N-S	9	ISBM	US	NA
TM	SHU	1986	ISBM-CA_N(freshwater)	10	ISBM	CA	NA
TM	SHU	1986	ISBM-CA_S(freshwater)	11	ISBM	CA	NA
TM	SHU	1986	Esc_Stray	12	Esc_Stray	Either	NA
TM	SHU	1986	Escapement	13	Esc	CA	NA
TM	SHU	1987	SEAK_T-N-S	1	AABM	US	0.101266
TM	SHU	1987	NBC-WCVI_T	2	AABM	CA	0.139241
TM	SHU	1987	NBC-WCVI_S	3	AABM	CA	0
TM	SHU	1987	ISBM-CA_T-N	4	ISBM	CA	0.10443
TM	SHU	1987	ISBM-CA_S(inside)	5	ISBM	CA	0.011076
TM	SHU	1987	Fraser_N	6	ISBM	CA	0.02057
TM	SHU	1987	ISBM-CA_S(SOG)	7	ISBM	CA	0.037975
TM	SHU	1987	ISBM-CA_S(JdF)	8	ISBM	CA	0.003165
TM	SHU	1987	ISBM-SUS_T-N-S	9	ISBM	US	0.028481
TM	SHU	1987	ISBM-CA_N(freshwater)	10	ISBM	CA	0.007911
TM	SHU	1987	ISBM-CA_S(freshwater)	11	ISBM	CA	0.072785
TM	SHU	1987	Esc_Stray	12	Esc_Stray	Either	0.003165
TM	SHU	1987	Escapement	13	Esc	CA	0.469937
TM	SHU	1988	SEAK_T-N-S	1	AABM	US	0.079151
TM	SHU	1988	NBC-WCVI_T	2	AABM	CA	0.147201
TM	SHU	1988	NBC-WCVI_S	3	AABM	CA	0.003378
TM	SHU	1988	ISBM-CA_T-N	4	ISBM	CA	0.046815
TM	SHU	1988	ISBM-CA_S(inside)	5	ISBM	CA	0
TM	SHU	1988	Fraser_N	6	ISBM	CA	0.046332
TM	SHU	1988	ISBM-CA_S(SOG)	7	ISBM	CA	0.013514
TM	SHU	1988	ISBM-CA_S(JdF)	8	ISBM	CA	0.014479
TM	SHU	1988	ISBM-SUS_T-N-S	9	ISBM	US	0.01834
TM	SHU	1988	ISBM-CA_N(freshwater)	10	ISBM	CA	0.008687
TM	SHU	1988	ISBM-CA_S(freshwater)	11	ISBM	CA	0.014479
TM	SHU	1988	Esc_Stray	12	Esc_Stray	Either	0.002413
TM	SHU	1988	Escapement	13	Esc	CA	0.605212

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MortType	Stock	Year	Fishery	FisheryNun	FisheryTyp	FisheryCou	Prop_Mort
TM	SHU	1989	SEAK_T-N-S	1	AABM	US	0.091558
TM	SHU	1989	NBC-WCVI_T	2	AABM	CA	0.083234
TM	SHU	1989	NBC-WCVI_S	3	AABM	CA	0
TM	SHU	1989	ISBM-CA_T-N	4	ISBM	CA	0.083234
TM	SHU	1989	ISBM-CA_S(inside)	5	ISBM	CA	0
TM	SHU	1989	Fraser_N	6	ISBM	CA	0.047562
TM	SHU	1989	ISBM-CA_S(SOG)	7	ISBM	CA	0.004162
TM	SHU	1989	ISBM-CA_S(JdF)	8	ISBM	CA	0
TM	SHU	1989	ISBM-SUS_T-N-S	9	ISBM	US	0.014863
TM	SHU	1989	ISBM-CA_N(freshwater)	10	ISBM	CA	0.011296
TM	SHU	1989	ISBM-CA_S(freshwater)	11	ISBM	CA	0.004162
TM	SHU	1989	Esc_Stray	12	Esc_Stray	Either	0
TM	SHU	1989	Escapement	13	Esc	CA	0.659929
TM	SHU	1990	SEAK_T-N-S	1	AABM	US	0.285144
TM	SHU	1990	NBC-WCVI_T	2	AABM	CA	0.231629
TM	SHU	1990	NBC-WCVI_S	3	AABM	CA	0.033546
TM	SHU	1990	ISBM-CA_T-N	4	ISBM	CA	0.049521
TM	SHU	1990	ISBM-CA_S(inside)	5	ISBM	CA	0.008786
TM	SHU	1990	Fraser_N	6	ISBM	CA	0
TM	SHU	1990	ISBM-CA_S(SOG)	7	ISBM	CA	0.007987
TM	SHU	1990	ISBM-CA_S(JdF)	8	ISBM	CA	0.009585
TM	SHU	1990	ISBM-SUS_T-N-S	9	ISBM	US	0.004792
TM	SHU	1990	ISBM-CA_N(freshwater)	10	ISBM	CA	0.075879
TM	SHU	1990	ISBM-CA_S(freshwater)	11	ISBM	CA	0.015176
TM	SHU	1990	Esc_Stray	12	Esc_Stray	Either	0.011182
TM	SHU	1990	Escapement	13	Esc	CA	0.266773
TM	SHU	1991	SEAK_T-N-S	1	AABM	US	0.347068
TM	SHU	1991	NBC-WCVI_T	2	AABM	CA	0.251981
TM	SHU	1991	NBC-WCVI_S	3	AABM	CA	0.004754
TM	SHU	1991	ISBM-CA_T-N	4	ISBM	CA	0.079239
TM	SHU	1991	ISBM-CA_S(inside)	5	ISBM	CA	0
TM	SHU	1991	Fraser_N	6	ISBM	CA	0
TM	SHU	1991	ISBM-CA_S(SOG)	7	ISBM	CA	0.007924
TM	SHU	1991	ISBM-CA_S(JdF)	8	ISBM	CA	0.004754
TM	SHU	1991	ISBM-SUS_T-N-S	9	ISBM	US	0.031696
TM	SHU	1991	ISBM-CA_N(freshwater)	10	ISBM	CA	0.052298
TM	SHU	1991	ISBM-CA_S(freshwater)	11	ISBM	CA	0.006339
TM	SHU	1991	Esc_Stray	12	Esc_Stray	Either	0.001585
TM	SHU	1991	Escapement	13	Esc	CA	0.212361
TM	SHU	1992	SEAK_T-N-S	1	AABM	US	0.135135
TM	SHU	1992	NBC-WCVI_T	2	AABM	CA	0.222973
TM	SHU	1992	NBC-WCVI_S	3	AABM	CA	0
TM	SHU	1992	ISBM-CA_T-N	4	ISBM	CA	0.121622
TM	SHU	1992	ISBM-CA_S(inside)	5	ISBM	CA	0
TM	SHU	1992	Fraser_N	6	ISBM	CA	0
TM	SHU	1992	ISBM-CA_S(SOG)	7	ISBM	CA	0.027027

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MortType	Stock	Year	Fishery	FisheryNun	FisheryType	FisheryCou	Prop_Mort
TM	SHU	1992	ISBM-CA_S(JdF)	8	ISBM	CA	0.02027
TM	SHU	1992	ISBM-SUS_T-N-S	9	ISBM	US	0.027027
TM	SHU	1992	ISBM-CA_N(freshwater)	10	ISBM	CA	0.050676
TM	SHU	1992	ISBM-CA_S(freshwater)	11	ISBM	CA	0.043919
TM	SHU	1992	Esc_Stray	12	Esc_Stray	Either	0
TM	SHU	1992	Escapement	13	Esc	CA	0.351351
TM	SHU	1993	SEAK_T-N-S	1	AABM	US	0.1375
TM	SHU	1993	NBC-WCVI_T	2	AABM	CA	0.227083
TM	SHU	1993	NBC-WCVI_S	3	AABM	CA	0
TM	SHU	1993	ISBM-CA_T-N	4	ISBM	CA	0.091667
TM	SHU	1993	ISBM-CA_S(inside)	5	ISBM	CA	0
TM	SHU	1993	Fraser_N	6	ISBM	CA	0
TM	SHU	1993	ISBM-CA_S(SOG)	7	ISBM	CA	0.010417
TM	SHU	1993	ISBM-CA_S(JdF)	8	ISBM	CA	0.004167
TM	SHU	1993	ISBM-SUS_T-N-S	9	ISBM	US	0.004167
TM	SHU	1993	ISBM-CA_N(freshwater)	10	ISBM	CA	0.085417
TM	SHU	1993	ISBM-CA_S(freshwater)	11	ISBM	CA	0.035417
TM	SHU	1993	Esc_Stray	12	Esc_Stray	Either	0
TM	SHU	1993	Escapement	13	Esc	CA	0.404167
TM	SHU	1994	SEAK_T-N-S	1	AABM	US	0.104306
TM	SHU	1994	NBC-WCVI_T	2	AABM	CA	0.255502
TM	SHU	1994	NBC-WCVI_S	3	AABM	CA	0.017225
TM	SHU	1994	ISBM-CA_T-N	4	ISBM	CA	0.160766
TM	SHU	1994	ISBM-CA_S(inside)	5	ISBM	CA	0
TM	SHU	1994	Fraser_N	6	ISBM	CA	0
TM	SHU	1994	ISBM-CA_S(SOG)	7	ISBM	CA	0.014354
TM	SHU	1994	ISBM-CA_S(JdF)	8	ISBM	CA	0.003828
TM	SHU	1994	ISBM-SUS_T-N-S	9	ISBM	US	0.029665
TM	SHU	1994	ISBM-CA_N(freshwater)	10	ISBM	CA	0.097608
TM	SHU	1994	ISBM-CA_S(freshwater)	11	ISBM	CA	0
TM	SHU	1994	Esc_Stray	12	Esc_Stray	Either	0.004785
TM	SHU	1994	Escapement	13	Esc	CA	0.311962
TM	SHU	1995	SEAK_T-N-S	1	AABM	US	0.196226
TM	SHU	1995	NBC-WCVI_T	2	AABM	CA	0.14717
TM	SHU	1995	NBC-WCVI_S	3	AABM	CA	0.041509
TM	SHU	1995	ISBM-CA_T-N	4	ISBM	CA	0.043396
TM	SHU	1995	ISBM-CA_S(inside)	5	ISBM	CA	0.015094
TM	SHU	1995	Fraser_N	6	ISBM	CA	0
TM	SHU	1995	ISBM-CA_S(SOG)	7	ISBM	CA	0.013208
TM	SHU	1995	ISBM-CA_S(JdF)	8	ISBM	CA	0.013208
TM	SHU	1995	ISBM-SUS_T-N-S	9	ISBM	US	0.032076
TM	SHU	1995	ISBM-CA_N(freshwater)	10	ISBM	CA	0.079245
TM	SHU	1995	ISBM-CA_S(freshwater)	11	ISBM	CA	0.003774
TM	SHU	1995	Esc_Stray	12	Esc_Stray	Either	0.00566
TM	SHU	1995	Escapement	13	Esc	CA	0.409434
TM	SHU	1996	SEAK_T-N-S	1	AABM	US	0.162853

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MortType	Stock	Year	Fishery	FisheryNun	FisheryTyp	FisheryCou	Prop_Mort
TM	SHU	1996	NBC-WCVI_T	2	AABM	CA	0.009421
TM	SHU	1996	NBC-WCVI_S	3	AABM	CA	0.016151
TM	SHU	1996	ISBM-CA_T-N	4	ISBM	CA	0.005384
TM	SHU	1996	ISBM-CA_S(inside)	5	ISBM	CA	0.014805
TM	SHU	1996	Fraser_N	6	ISBM	CA	0
TM	SHU	1996	ISBM-CA_S(SOG)	7	ISBM	CA	0.021534
TM	SHU	1996	ISBM-CA_S(JdF)	8	ISBM	CA	0.018843
TM	SHU	1996	ISBM-SUS_T-N-S	9	ISBM	US	0
TM	SHU	1996	ISBM-CA_N(freshwater)	10	ISBM	CA	0.0821
TM	SHU	1996	ISBM-CA_S(freshwater)	11	ISBM	CA	0.013459
TM	SHU	1996	Esc_Stray	12	Esc_Stray	Either	0
TM	SHU	1996	Escapement	13	Esc	CA	0.655451
TM	SHU	1997	SEAK_T-N-S	1	AABM	US	0.139803
TM	SHU	1997	NBC-WCVI_T	2	AABM	CA	0.092105
TM	SHU	1997	NBC-WCVI_S	3	AABM	CA	0.021382
TM	SHU	1997	ISBM-CA_T-N	4	ISBM	CA	0.039474
TM	SHU	1997	ISBM-CA_S(inside)	5	ISBM	CA	0.006579
TM	SHU	1997	Fraser_N	6	ISBM	CA	0
TM	SHU	1997	ISBM-CA_S(SOG)	7	ISBM	CA	0.03454
TM	SHU	1997	ISBM-CA_S(JdF)	8	ISBM	CA	0.021382
TM	SHU	1997	ISBM-SUS_T-N-S	9	ISBM	US	0.023026
TM	SHU	1997	ISBM-CA_N(freshwater)	10	ISBM	CA	0.15625
TM	SHU	1997	ISBM-CA_S(freshwater)	11	ISBM	CA	0
TM	SHU	1997	Esc_Stray	12	Esc_Stray	Either	0
TM	SHU	1997	Escapement	13	Esc	CA	0.465461
TM	SHU	1998	SEAK_T-N-S	1	AABM	US	0.310345
TM	SHU	1998	NBC-WCVI_T	2	AABM	CA	0.070292
TM	SHU	1998	NBC-WCVI_S	3	AABM	CA	0.140584
TM	SHU	1998	ISBM-CA_T-N	4	ISBM	CA	0.003979
TM	SHU	1998	ISBM-CA_S(inside)	5	ISBM	CA	0.017241
TM	SHU	1998	Fraser_N	6	ISBM	CA	0
TM	SHU	1998	ISBM-CA_S(SOG)	7	ISBM	CA	0.057029
TM	SHU	1998	ISBM-CA_S(JdF)	8	ISBM	CA	0.014589
TM	SHU	1998	ISBM-SUS_T-N-S	9	ISBM	US	0.007958
TM	SHU	1998	ISBM-CA_N(freshwater)	10	ISBM	CA	0.054377
TM	SHU	1998	ISBM-CA_S(freshwater)	11	ISBM	CA	0.006631
TM	SHU	1998	Esc_Stray	12	Esc_Stray	Either	0.011936
TM	SHU	1998	Escapement	13	Esc	CA	0.30504
TM	SHU	1999	SEAK_T-N-S	1	AABM	US	0.215144
TM	SHU	1999	NBC-WCVI_T	2	AABM	CA	0.007212
TM	SHU	1999	NBC-WCVI_S	3	AABM	CA	0.045673
TM	SHU	1999	ISBM-CA_T-N	4	ISBM	CA	0
TM	SHU	1999	ISBM-CA_S(inside)	5	ISBM	CA	0.002404
TM	SHU	1999	Fraser_N	6	ISBM	CA	0
TM	SHU	1999	ISBM-CA_S(SOG)	7	ISBM	CA	0.040865
TM	SHU	1999	ISBM-CA_S(JdF)	8	ISBM	CA	0.004808

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MortType	Stock	Year	Fishery	FisheryNun	FisheryTyp	FisheryCou	Prop_Mort
TM	SHU	1999	ISBM-SUS_T-N-S	9	ISBM	US	0
TM	SHU	1999	ISBM-CA_N(freshwater)	10	ISBM	CA	0.054087
TM	SHU	1999	ISBM-CA_S(freshwater)	11	ISBM	CA	0.003606
TM	SHU	1999	Esc_Stray	12	Esc_Stray	Either	0
TM	SHU	1999	Escapement	13	Esc	CA	0.626202
TM	SHU	2000	SEAK_T-N-S	1	AABM	US	0.208914
TM	SHU	2000	NBC-WCVI_T	2	AABM	CA	0
TM	SHU	2000	NBC-WCVI_S	3	AABM	CA	0.047354
TM	SHU	2000	ISBM-CA_T-N	4	ISBM	CA	0
TM	SHU	2000	ISBM-CA_S(inside)	5	ISBM	CA	0
TM	SHU	2000	Fraser_N	6	ISBM	CA	0
TM	SHU	2000	ISBM-CA_S(SOG)	7	ISBM	CA	0.026462
TM	SHU	2000	ISBM-CA_S(JdF)	8	ISBM	CA	0.009749
TM	SHU	2000	ISBM-SUS_T-N-S	9	ISBM	US	0.005571
TM	SHU	2000	ISBM-CA_N(freshwater)	10	ISBM	CA	0.064067
TM	SHU	2000	ISBM-CA_S(freshwater)	11	ISBM	CA	0.013928
TM	SHU	2000	Esc_Stray	12	Esc_Stray	Either	0.009749
TM	SHU	2000	Escapement	13	Esc	CA	0.614206
TM	SHU	2001	SEAK_T-N-S	1	AABM	US	0.096719
TM	SHU	2001	NBC-WCVI_T	2	AABM	CA	0
TM	SHU	2001	NBC-WCVI_S	3	AABM	CA	0
TM	SHU	2001	ISBM-CA_T-N	4	ISBM	CA	0.010363
TM	SHU	2001	ISBM-CA_S(inside)	5	ISBM	CA	0.010363
TM	SHU	2001	Fraser_N	6	ISBM	CA	0
TM	SHU	2001	ISBM-CA_S(SOG)	7	ISBM	CA	0.075993
TM	SHU	2001	ISBM-CA_S(JdF)	8	ISBM	CA	0.018135
TM	SHU	2001	ISBM-SUS_T-N-S	9	ISBM	US	0.005181
TM	SHU	2001	ISBM-CA_N(freshwater)	10	ISBM	CA	0.014681
TM	SHU	2001	ISBM-CA_S(freshwater)	11	ISBM	CA	0.015544
TM	SHU	2001	Esc_Stray	12	Esc_Stray	Either	0
TM	SHU	2001	Escapement	13	Esc	CA	0.753022
TM	SHU	2002	SEAK_T-N-S	1	AABM	US	0.207559
TM	SHU	2002	NBC-WCVI_T	2	AABM	CA	0.140295
TM	SHU	2002	NBC-WCVI_S	3	AABM	CA	0.04164
TM	SHU	2002	ISBM-CA_T-N	4	ISBM	CA	0.000641
TM	SHU	2002	ISBM-CA_S(inside)	5	ISBM	CA	0.016015
TM	SHU	2002	Fraser_N	6	ISBM	CA	0
TM	SHU	2002	ISBM-CA_S(SOG)	7	ISBM	CA	0.02114
TM	SHU	2002	ISBM-CA_S(JdF)	8	ISBM	CA	0.014734
TM	SHU	2002	ISBM-SUS_T-N-S	9	ISBM	US	0
TM	SHU	2002	ISBM-CA_N(freshwater)	10	ISBM	CA	0.085842
TM	SHU	2002	ISBM-CA_S(freshwater)	11	ISBM	CA	0.004484
TM	SHU	2002	Esc_Stray	12	Esc_Stray	Either	0
TM	SHU	2002	Escapement	13	Esc	CA	0.467649
TM	SHU	2003	SEAK_T-N-S	1	AABM	US	0.122536
TM	SHU	2003	NBC-WCVI_T	2	AABM	CA	0.08098

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MortType	Stock	Year	Fishery	FisheryNum	FisheryType	FisheryCou	Prop_Mort
TM	SHU	2003	NBC-WCVI_S	3	AABM	CA	0.024507
TM	SHU	2003	ISBM-CA_T-N	4	ISBM	CA	0.012786
TM	SHU	2003	ISBM-CA_S(inside)	5	ISBM	CA	0.006926
TM	SHU	2003	Fraser_N	6	ISBM	CA	0
TM	SHU	2003	ISBM-CA_S(SOG)	7	ISBM	CA	0.028769
TM	SHU	2003	ISBM-CA_S(JdF)	8	ISBM	CA	0.039425
TM	SHU	2003	ISBM-SUS_T-N-S	9	ISBM	US	0.007991
TM	SHU	2003	ISBM-CA_N(freshwater)	10	ISBM	CA	0.045285
TM	SHU	2003	ISBM-CA_S(freshwater)	11	ISBM	CA	0.023442
TM	SHU	2003	Esc_Stray	12	Esc_Stray	Either	0
TM	SHU	2003	Escapement	13	Esc	CA	0.607352
TM	SHU	2004	SEAK_T-N-S	1	AABM	US	0.199827
TM	SHU	2004	NBC-WCVI_T	2	AABM	CA	0.101211
TM	SHU	2004	NBC-WCVI_S	3	AABM	CA	0.039792
TM	SHU	2004	ISBM-CA_T-N	4	ISBM	CA	0
TM	SHU	2004	ISBM-CA_S(inside)	5	ISBM	CA	0.047578
TM	SHU	2004	Fraser_N	6	ISBM	CA	0
TM	SHU	2004	ISBM-CA_S(SOG)	7	ISBM	CA	0.049308
TM	SHU	2004	ISBM-CA_S(JdF)	8	ISBM	CA	0.00519
TM	SHU	2004	ISBM-SUS_T-N-S	9	ISBM	US	0.012976
TM	SHU	2004	ISBM-CA_N(freshwater)	10	ISBM	CA	0.119377
TM	SHU	2004	ISBM-CA_S(freshwater)	11	ISBM	CA	0.027682
TM	SHU	2004	Esc_Stray	12	Esc_Stray	Either	0
TM	SHU	2004	Escapement	13	Esc	CA	0.397059
TM	SHU	2005	SEAK_T-N-S	1	AABM	US	0.168689
TM	SHU	2005	NBC-WCVI_T	2	AABM	CA	0.127427
TM	SHU	2005	NBC-WCVI_S	3	AABM	CA	0.084952
TM	SHU	2005	ISBM-CA_T-N	4	ISBM	CA	0
TM	SHU	2005	ISBM-CA_S(inside)	5	ISBM	CA	0.01335
TM	SHU	2005	Fraser_N	6	ISBM	CA	0
TM	SHU	2005	ISBM-CA_S(SOG)	7	ISBM	CA	0.116505
TM	SHU	2005	ISBM-CA_S(JdF)	8	ISBM	CA	0.021845
TM	SHU	2005	ISBM-SUS_T-N-S	9	ISBM	US	0.006068
TM	SHU	2005	ISBM-CA_N(freshwater)	10	ISBM	CA	0.070388
TM	SHU	2005	ISBM-CA_S(freshwater)	11	ISBM	CA	0.036408
TM	SHU	2005	Esc_Stray	12	Esc_Stray	Either	0
TM	SHU	2005	Escapement	13	Esc	CA	0.354369
TM	SHU	2006	SEAK_T-N-S	1	AABM	US	0.146747
TM	SHU	2006	NBC-WCVI_T	2	AABM	CA	0.135401
TM	SHU	2006	NBC-WCVI_S	3	AABM	CA	0.090772
TM	SHU	2006	ISBM-CA_T-N	4	ISBM	CA	0
TM	SHU	2006	ISBM-CA_S(inside)	5	ISBM	CA	0.016642
TM	SHU	2006	Fraser_N	6	ISBM	CA	0
TM	SHU	2006	ISBM-CA_S(SOG)	7	ISBM	CA	0.086233
TM	SHU	2006	ISBM-CA_S(JdF)	8	ISBM	CA	0.012103
TM	SHU	2006	ISBM-SUS_T-N-S	9	ISBM	US	0.009834

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MortType	Stock	Year	Fishery	FisheryNun	FisheryType	FisheryCou	Prop_Mort
TM	SHU	2006	ISBM-CA_N(freshwater)	10	ISBM	CA	0.071861
TM	SHU	2006	ISBM-CA_S(freshwater)	11	ISBM	CA	0.031014
TM	SHU	2006	Esc_Stray	12	Esc_Stray	Either	0.008321
TM	SHU	2006	Escapement	13	Esc	CA	0.391074
TM	SHU	2007	SEAK_T-N-S	1	AABM	US	0.17357
TM	SHU	2007	NBC-WCVI_T	2	AABM	CA	0.035503
TM	SHU	2007	NBC-WCVI_S	3	AABM	CA	0.110454
TM	SHU	2007	ISBM-CA_T-N	4	ISBM	CA	0
TM	SHU	2007	ISBM-CA_S(inside)	5	ISBM	CA	0
TM	SHU	2007	Fraser_N	6	ISBM	CA	0.003945
TM	SHU	2007	ISBM-CA_S(SOG)	7	ISBM	CA	0.013807
TM	SHU	2007	ISBM-CA_S(JdF)	8	ISBM	CA	0.019724
TM	SHU	2007	ISBM-SUS_T-N-S	9	ISBM	US	0
TM	SHU	2007	ISBM-CA_N(freshwater)	10	ISBM	CA	0.053254
TM	SHU	2007	ISBM-CA_S(freshwater)	11	ISBM	CA	0.051282
TM	SHU	2007	Esc_Stray	12	Esc_Stray	Either	0
TM	SHU	2007	Escapement	13	Esc	CA	0.538462
TM	SHU	2008	SEAK_T-N-S	1	AABM	US	0.093732
TM	SHU	2008	NBC-WCVI_T	2	AABM	CA	0.08131
TM	SHU	2008	NBC-WCVI_S	3	AABM	CA	0.093168
TM	SHU	2008	ISBM-CA_T-N	4	ISBM	CA	0
TM	SHU	2008	ISBM-CA_S(inside)	5	ISBM	CA	0
TM	SHU	2008	Fraser_N	6	ISBM	CA	0
TM	SHU	2008	ISBM-CA_S(SOG)	7	ISBM	CA	0.051383
TM	SHU	2008	ISBM-CA_S(JdF)	8	ISBM	CA	0.020892
TM	SHU	2008	ISBM-SUS_T-N-S	9	ISBM	US	0
TM	SHU	2008	ISBM-CA_N(freshwater)	10	ISBM	CA	0.028797
TM	SHU	2008	ISBM-CA_S(freshwater)	11	ISBM	CA	0.029927
TM	SHU	2008	Esc_Stray	12	Esc_Stray	Either	0
TM	SHU	2008	Escapement	13	Esc	CA	0.600791
TM	SHU	2009	SEAK_T-N-S	1	AABM	US	0.104672
TM	SHU	2009	NBC-WCVI_T	2	AABM	CA	0.072147
TM	SHU	2009	NBC-WCVI_S	3	AABM	CA	0.056771
TM	SHU	2009	ISBM-CA_T-N	4	ISBM	CA	0
TM	SHU	2009	ISBM-CA_S(inside)	5	ISBM	CA	0.005914
TM	SHU	2009	Fraser_N	6	ISBM	CA	0
TM	SHU	2009	ISBM-CA_S(SOG)	7	ISBM	CA	0.047309
TM	SHU	2009	ISBM-CA_S(JdF)	8	ISBM	CA	0.041396
TM	SHU	2009	ISBM-SUS_T-N-S	9	ISBM	US	0.00414
TM	SHU	2009	ISBM-CA_N(freshwater)	10	ISBM	CA	0.099941
TM	SHU	2009	ISBM-CA_S(freshwater)	11	ISBM	CA	0.061502
TM	SHU	2009	Esc_Stray	12	Esc_Stray	Either	0.002365
TM	SHU	2009	Escapement	13	Esc	CA	0.503844
TM	SHU	2010	SEAK_T-N-S	1	AABM	US	0.11358
TM	SHU	2010	NBC-WCVI_T	2	AABM	CA	0.104691
TM	SHU	2010	NBC-WCVI_S	3	AABM	CA	0.036049

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MortType	Stock	Year	Fishery	FisheryNun	FisheryType	FisheryCou	Prop_Mort
TM	SHU	2010	ISBM-CA_T-N	4	ISBM	CA	0
TM	SHU	2010	ISBM-CA_S(inside)	5	ISBM	CA	0.002963
TM	SHU	2010	Fraser_N	6	ISBM	CA	0
TM	SHU	2010	ISBM-CA_S(SOG)	7	ISBM	CA	0.072099
TM	SHU	2010	ISBM-CA_S(JdF)	8	ISBM	CA	0.022222
TM	SHU	2010	ISBM-SUS_T-N-S	9	ISBM	US	0.019259
TM	SHU	2010	ISBM-CA_N(freshwater)	10	ISBM	CA	0.093827
TM	SHU	2010	ISBM-CA_S(freshwater)	11	ISBM	CA	0.019259
TM	SHU	2010	Esc_Stray	12	Esc_Stray	Either	0.011852
TM	SHU	2010	Escapement	13	Esc	CA	0.504198
TM	SHU	2011	SEAK_T-N-S	1	AABM	US	0.099838
TM	SHU	2011	NBC-WCVI_T	2	AABM	CA	0.089045
TM	SHU	2011	NBC-WCVI_S	3	AABM	CA	0.050729
TM	SHU	2011	ISBM-CA_T-N	4	ISBM	CA	0
TM	SHU	2011	ISBM-CA_S(inside)	5	ISBM	CA	0.002698
TM	SHU	2011	Fraser_N	6	ISBM	CA	0.012412
TM	SHU	2011	ISBM-CA_S(SOG)	7	ISBM	CA	0.042094
TM	SHU	2011	ISBM-CA_S(JdF)	8	ISBM	CA	0.038316
TM	SHU	2011	ISBM-SUS_T-N-S	9	ISBM	US	0.012952
TM	SHU	2011	ISBM-CA_N(freshwater)	10	ISBM	CA	0.092823
TM	SHU	2011	ISBM-CA_S(freshwater)	11	ISBM	CA	0.028602
TM	SHU	2011	Esc_Stray	12	Esc_Stray	Either	0.00054
TM	SHU	2011	Escapement	13	Esc	CA	0.529951
TM	SHU	2012	SEAK_T-N-S	1	AABM	US	0.094233
TM	SHU	2012	NBC-WCVI_T	2	AABM	CA	0.085994
TM	SHU	2012	NBC-WCVI_S	3	AABM	CA	0.056128
TM	SHU	2012	ISBM-CA_T-N	4	ISBM	CA	0
TM	SHU	2012	ISBM-CA_S(inside)	5	ISBM	CA	0.010299
TM	SHU	2012	Fraser_N	6	ISBM	CA	0.003605
TM	SHU	2012	ISBM-CA_S(SOG)	7	ISBM	CA	0.056643
TM	SHU	2012	ISBM-CA_S(JdF)	8	ISBM	CA	0.040165
TM	SHU	2012	ISBM-SUS_T-N-S	9	ISBM	US	0.031411
TM	SHU	2012	ISBM-CA_N(freshwater)	10	ISBM	CA	0.044799
TM	SHU	2012	ISBM-CA_S(freshwater)	11	ISBM	CA	0.048919
TM	SHU	2012	Esc_Stray	12	Esc_Stray	Either	0
TM	SHU	2012	Escapement	13	Esc	CA	0.527806
TM	SHU	2013	SEAK_T-N-S	1	AABM	US	0.079626
TM	SHU	2013	NBC-WCVI_T	2	AABM	CA	0.077073
TM	SHU	2013	NBC-WCVI_S	3	AABM	CA	0.044858
TM	SHU	2013	ISBM-CA_T-N	4	ISBM	CA	0.000122
TM	SHU	2013	ISBM-CA_S(inside)	5	ISBM	CA	0.005227
TM	SHU	2013	Fraser_N	6	ISBM	CA	0.016168
TM	SHU	2013	ISBM-CA_S(SOG)	7	ISBM	CA	0.050328
TM	SHU	2013	ISBM-CA_S(JdF)	8	ISBM	CA	0.050571
TM	SHU	2013	ISBM-SUS_T-N-S	9	ISBM	US	0.01629
TM	SHU	2013	ISBM-CA_N(freshwater)	10	ISBM	CA	0.024799

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MortType	Stock	Year	Fishery	FisheryNun	FisheryType	FisheryCou	Prop_Mort
TM	SHU	2013	ISBM-CA_S(freshwater)	11	ISBM	CA	0.020423
TM	SHU	2013	Esc_Stray	12	Esc_Stray	Either	0.009117
TM	SHU	2013	Escapement	13	Esc	CA	0.605398
TM	SHU	2014	SEAK_T-N-S	1	AABM	US	0.12042
TM	SHU	2014	NBC-WCVI_T	2	AABM	CA	0.10435
TM	SHU	2014	NBC-WCVI_S	3	AABM	CA	0.042854
TM	SHU	2014	ISBM-CA_T-N	4	ISBM	CA	0.008999
TM	SHU	2014	ISBM-CA_S(inside)	5	ISBM	CA	0.003214
TM	SHU	2014	Fraser_N	6	ISBM	CA	0.021427
TM	SHU	2014	ISBM-CA_S(SOG)	7	ISBM	CA	0.029355
TM	SHU	2014	ISBM-CA_S(JdF)	8	ISBM	CA	0.022498
TM	SHU	2014	ISBM-SUS_T-N-S	9	ISBM	US	0.038783
TM	SHU	2014	ISBM-CA_N(freshwater)	10	ISBM	CA	0.080351
TM	SHU	2014	ISBM-CA_S(freshwater)	11	ISBM	CA	0.017784
TM	SHU	2014	Esc_Stray	12	Esc_Stray	Either	0.008999
TM	SHU	2014	Escapement	13	Esc	CA	0.500964
TM	SHU	2015	SEAK_T-N-S	1	AABM	US	0.071842
TM	SHU	2015	NBC-WCVI_T	2	AABM	CA	0.042507
TM	SHU	2015	NBC-WCVI_S	3	AABM	CA	0.02714
TM	SHU	2015	ISBM-CA_T-N	4	ISBM	CA	0
TM	SHU	2015	ISBM-CA_S(inside)	5	ISBM	CA	0.008182
TM	SHU	2015	Fraser_N	6	ISBM	CA	0.004989
TM	SHU	2015	ISBM-CA_S(SOG)	7	ISBM	CA	0.046298
TM	SHU	2015	ISBM-CA_S(JdF)	8	ISBM	CA	0.032329
TM	SHU	2015	ISBM-SUS_T-N-S	9	ISBM	US	0.047695
TM	SHU	2015	ISBM-CA_N(freshwater)	10	ISBM	CA	0.029336
TM	SHU	2015	ISBM-CA_S(freshwater)	11	ISBM	CA	0.030533
TM	SHU	2015	Esc_Stray	12	Esc_Stray	Either	0.01377
TM	SHU	2015	Escapement	13	Esc	CA	0.64538
TM	SHU	2016	SEAK_T-N-S	1	AABM	US	0.122316
TM	SHU	2016	NBC-WCVI_T	2	AABM	CA	0.109244
TM	SHU	2016	NBC-WCVI_S	3	AABM	CA	0.036881
TM	SHU	2016	ISBM-CA_T-N	4	ISBM	CA	0
TM	SHU	2016	ISBM-CA_S(inside)	5	ISBM	CA	0.005135
TM	SHU	2016	Fraser_N	6	ISBM	CA	0.003735
TM	SHU	2016	ISBM-CA_S(SOG)	7	ISBM	CA	0.054155
TM	SHU	2016	ISBM-CA_S(JdF)	8	ISBM	CA	0.006069
TM	SHU	2016	ISBM-SUS_T-N-S	9	ISBM	US	0.010271
TM	SHU	2016	ISBM-CA_N(freshwater)	10	ISBM	CA	0.025677
TM	SHU	2016	ISBM-CA_S(freshwater)	11	ISBM	CA	0.011671
TM	SHU	2016	Esc_Stray	12	Esc_Stray	Either	0
TM	SHU	2016	Escapement	13	Esc	CA	0.614846
TM	SHU	2017	SEAK_T-N-S	1	AABM	US	0.137435
TM	SHU	2017	NBC-WCVI_T	2	AABM	CA	0.090314
TM	SHU	2017	NBC-WCVI_S	3	AABM	CA	0.056283
TM	SHU	2017	ISBM-CA_T-N	4	ISBM	CA	0

MortType	Stock	Year	Fishery	FisheryNun	FisheryTyp	FisheryCou	Prop_Mort
TM	SHU	2017	ISBM-CA_S(inside)	5	ISBM	CA	0.005563
TM	SHU	2017	Fraser_N	6	ISBM	CA	0.002291
TM	SHU	2017	ISBM-CA_S(SOG)	7	ISBM	CA	0.078861
TM	SHU	2017	ISBM-CA_S(JdF)	8	ISBM	CA	0.026505
TM	SHU	2017	ISBM-SUS_T-N-S	9	ISBM	US	0.01538
TM	SHU	2017	ISBM-CA_N(freshwater)	10	ISBM	CA	0.027487
TM	SHU	2017	ISBM-CA_S(freshwater)	11	ISBM	CA	0.016689
TM	SHU	2017	Esc_Stray	12	Esc_Stray	Either	0.004908
TM	SHU	2017	Escapement	13	Esc	CA	0.538285
TM	SHU	2018	SEAK_T-N-S	1	AABM	US	0.05575
TM	SHU	2018	NBC-WCVI_T	2	AABM	CA	0.043124
TM	SHU	2018	NBC-WCVI_S	3	AABM	CA	0.052059
TM	SHU	2018	ISBM-CA_T-N	4	ISBM	CA	0
TM	SHU	2018	ISBM-CA_S(inside)	5	ISBM	CA	0.001166
TM	SHU	2018	Fraser_N	6	ISBM	CA	0.013986
TM	SHU	2018	ISBM-CA_S(SOG)	7	ISBM	CA	0.051671
TM	SHU	2018	ISBM-CA_S(JdF)	8	ISBM	CA	0.043318
TM	SHU	2018	ISBM-SUS_T-N-S	9	ISBM	US	0.015152
TM	SHU	2018	ISBM-CA_N(freshwater)	10	ISBM	CA	0.045649
TM	SHU	2018	ISBM-CA_S(freshwater)	11	ISBM	CA	0.027972
TM	SHU	2018	Esc_Stray	12	Esc_Stray	Either	0.002914
TM	SHU	2018	Escapement	13	Esc	CA	0.647242

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Lower Shuswap River Summer										Percent distribution of Lower Shuswap River Summer (Fraser Early) AEQ total fishing mortalities and escapement.									
Catch Year	Est # of CWT	SEAK T,N,S	AABM Fishery		CDN ISBM Other		Fraser Net	ISBM Fishery		SUS ISBM Grp		Canada Freshwater		ESCAPEMENT		Canadian total CYER			
	Ages	T,N,S	T	S	T,N	S,inside-other	N	Southern BC Sport Georgia Strait	Southern BC Sport Juan de Fuca	T,S,N	N	S	STRAYS	Esc.					
1979	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
1980	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
1981	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
1982	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
1983	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
1984	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
1985	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
1986	112 2	-	Failed Criteria		-	-	-	-	-	-	-	-	-	-	-				
1987	632 2,3	10.1	13.9	0.0	10.4	1.1	2.1	3.8	0.3	2.8	0.8	7.3	0.3	47.0	39.7				
1988	2072 2,3,4	7.9	14.7	0.3	4.7	0.0	4.6	1.4	1.4	1.8	0.9	1.4	0.2	60.5	29.5				
1989	1682 2,3,4,5	9.2	8.3	0.0	8.3	0.0	4.8	0.4	0.0	1.5	1.1	0.4	0.0	66.0	23.4				
1990	1252 2,3,4,5	28.5	23.2	3.4	5.0	0.9	0.0	0.8	1.0	0.5	7.6	1.5	1.1	26.7	43.2				
1991	631 2,3,4,5	34.7	25.2	0.5	7.9	0.0	0.0	0.8	0.5	3.2	5.2	0.6	0.2	21.2	40.7				
1992	296 2,3,4,5	13.5	22.3	0.0	12.2	0.0	0.0	2.7	2.0	2.7	5.1	4.4	0.0	35.1	48.6				
1993	480 2,3,4,5	13.8	22.7	0.0	9.2	0.0	0.0	1.0	0.4	0.4	8.5	3.5	0.0	40.4	45.4				
1994	1045 2,3,4,5	10.4	25.6	1.7	16.1	0.0	0.0	1.4	0.4	3.0	9.8	0.0	0.5	31.2	54.9				
1995	530 2,3,4,5	19.6	14.7	4.2	4.3	1.5	0.0	1.3	1.3	3.2	7.9	0.4	0.6	40.9	35.7				
1996	743 2,3,4,5	16.3	0.9	1.6	0.5	1.5	0.0	2.2	1.9	0.0	8.2	1.3	0.0	65.5	18.2				
1997	608 2,3,4,5	14.0	9.2	2.1	3.9	0.7	0.0	3.5	2.1	2.3	15.6	0.0	0.0	46.5	37.2				
1998	754 2,3,4,5	31.0	7.0	14.1	0.4	1.7	0.0	5.7	1.5	0.8	5.4	0.7	1.2	30.5	36.5				
1999	832 2,3,4,5	21.5	0.7	4.6	0.0	0.2	0.0	4.1	0.5	0.0	5.4	0.4	0.0	62.6	15.9				
2000	718 2,3,4,5	20.9	0.0	4.7	0.0	0.0	0.0	2.6	1.0	0.6	6.4	1.4	1.0	61.4	16.2				
2001	1158 2,3,4,5	9.7	0.0	0.0	1.0	1.0	0.0	7.6	1.8	0.5	1.5	1.6	0.0	75.3	14.5				
2002	1561 2,3,4,5	20.8	14.0	4.2	0.1	1.6	0.0	2.1	1.5	0.0	8.6	0.4	0.0	46.8	32.5				
2003	1877 2,3,4,5	12.3	8.1	2.5	1.3	0.7	0.0	2.9	3.9	0.8	4.5	2.3	0.0	60.7	26.2				
2004	1156 2,3,4,5	20.0	10.1	4.0	0.0	4.8	0.0	4.9	0.5	1.3	11.9	2.8	0.0	39.7	39.0				
2005	824 2,3,4,5	16.9	12.7	8.5	0.0	1.3	0.0	11.7	2.2	0.6	7.0	3.6	0.0	35.4	47.1				
2006	1322 2,3,4,5	14.7	13.5	9.1	0.0	1.7	0.0	8.6	1.2	1.0	7.2	3.1	0.8	39.1	44.4				
2007	507 2,3,4,5	17.4	3.6	11.0	0.0	0.0	0.4	1.4	2.0	0.0	5.3	5.1	0.0	53.8	28.8				
2008	1771 2,3,4,5	9.4	8.1	9.3	0.0	0.0	0.0	5.1	2.1	0.0	2.9	3.0	0.0	60.1	30.5				
2009	1691 2,3,4,5	10.5	7.2	5.7	0.0	0.6	0.0	4.7	4.1	0.4	10.0	6.2	0.2	50.4	38.5				
2010	2025 2,3,4,5	11.4	10.5	3.6	0.0	0.3	0.0	7.2	2.2	1.9	9.4	1.9	1.2	50.4	35.1				
2011	1853 2,3,4,5	10.0	8.9	5.1	0.0	0.3	1.2	4.2	3.8	1.3	9.3	2.9	0.1	53.0	35.7				
2012	1942 2,3,4,5	9.4	8.6	5.6	0.0	1.0	0.4	5.7	4.0	3.1	4.5	4.9	0.0	52.8	34.7				
2013	8226 2,3,4,5	8.0	7.7	4.5	0.0	0.5	1.6	5.0	5.1	1.6	2.5	2.0	0.9	60.5	29.0				
2014	4667 2,3,4,5	12.0	10.4	4.3	0.9	0.3	2.1	2.9	2.2	3.9	8.0	1.8	0.9	50.1	33.1				
2015	5011 2,3,4,5	7.2	4.3	2.7	0.0	0.8	0.5	4.6	3.2	4.8	2.9	3.1	1.4	64.5	22.1				
2016	2142 2,3,4,5	12.2	10.9	3.7	0.0	0.5	0.4	5.4	0.6	1.0	2.6	1.2	0.0	61.5	25.3				
2017	3056 2,3,4,5	13.7	9.0	5.6	0.0	0.6	0.2	7.9	2.7	1.5	2.7	1.7	0.5	53.8	30.4				
2018	5148 2,3,4,5	5.6	4.3	5.2	0.0	0.1	1.4	5.2	4.3	1.5	4.6	2.8	0.3	64.7	27.9				
16-17	2599	13.0	10.0	4.7	0.0	0.5	0.3	6.7	1.6	1.3	2.7	1.4	0.2	57.7	27.8				
09-18	3576	10.0	8.2	4.6	0.1	0.5	0.8	5.3	3.2	2.1	5.6	2.8	0.5	56.2	31.2				
09-15	3631	9.8	8.2	4.5	0.1	0.5	0.8	4.9	3.5	2.4	6.7	3.2	0.7	54.5	32.6				
13-17	4620	10.6	8.5	4.2	0.2	0.5	1.0	5.2	2.8	2.6	3.8	1.9	0.7	58.1	28.0				
18-18	5148	5.6	4.3	5.2	0.0	0.1	1.4	5.2	4.3	1.5	4.6	2.8	0.3	64.7	27.9				
2018 rel to 13-17 avg																0%	-15%		
2018 rel to 2017																-8%	-23%		

SHU total mort

MortalityDistributionTables_Fraser_ERA2019_finescale2c.xlsx

Lower Shuswap River Summer																		
Table C. . Percent distribution of Lower Shuswap River Summer (Fraser Early) AEQ total fishing mortalities and escapement.																		
Catch Year	Est # of CWT	Ages	AABM Fishery			ISBM Fishery			SUS ISBM Grp		Canada Freshwater			ESCAPEMENT		Canadian CYER	total CYER	
			SEAK T,N,S	T	S	NBC-WCVI	Fraser Nel	Southern BC Sport Georgia Strait	Southern BC Sport Juan de Fuca	T, S, N	N	S	STRAYS	Esc.				
1979	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
1980	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
1981	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
1982	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
1983	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
1984	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
1985	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
1986	112 2		Failed Criteria			-	-	-	-	-	-	-	-	-	-	-	-	
1987	632 2,3	10.1	13.9	0.0	10.4	1.1	2.1	3.8	0.3	2.8	0.8	7.3	0.3	47.0	39.7	52.7		
1988	2072 2,3,4	7.9	14.7	0.3	4.7	0.0	4.6	1.4	1.4	1.8	0.9	1.4	0.2	60.5	29.5	39.2		
1989	1682 2,3,4,5	9.2	8.3	0.0	8.3	0.0	4.8	0.4	0.0	1.5	1.1	0.4	0.0	66.0	23.4	34.0		
1990	1252 2,3,4,5	28.5	23.2	3.4	5.0	0.9	0.0	0.8	1.0	0.5	7.6	1.5	1.1	26.7	43.2	72.2		
1991	631 2,3,4,5	34.7	25.2	0.5	7.9	0.0	0.0	0.8	0.5	3.2	5.2	0.6	0.2	21.2	40.7	78.6		
1992	296 2,3,4,5	13.5	22.3	0.0	12.2	0.0	0.0	2.7	2.0	2.7	5.1	4.4	0.0	35.1	48.6	64.9		
1993	480 2,3,4,5	13.8	22.7	0.0	9.2	0.0	0.0	1.0	0.4	0.4	8.5	3.5	0.0	40.4	45.4	59.6		
1994	1045 2,3,4,5	10.4	25.6	1.7	16.1	0.0	0.0	1.4	0.4	3.0	9.8	0.0	0.5	31.2	54.9	68.3		
1995	530 2,3,4,5	19.6	14.7	4.2	1.5	0.0	4.3	1.3	1.3	3.2	7.9	0.4	0.6	40.9	35.7	58.5		
1996	743 2,3,4,5	16.3	0.9	1.6	0.5	1.5	0.0	2.2	1.9	0.0	8.2	1.3	0.0	65.5	18.2	34.5		
1997	608 2,3,4,5	14.0	9.2	2.1	3.9	0.7	0.0	3.5	2.1	2.3	15.6	0.0	0.0	46.5	37.2	53.5		
1998	754 2,3,4,5	31.0	7.0	14.1	0.4	1.7	0.0	5.7	1.5	0.8	5.4	0.7	1.2	30.5	36.5	68.3		
1999	832 2,3,4,5	21.5	0.7	4.6	0.0	0.2	0.0	4.1	0.5	0.0	5.4	0.4	0.0	62.6	15.9	37.4		
2000	718 2,3,4,5	20.9	0.0	4.7	0.0	0.0	0.0	2.6	1.0	0.6	6.4	1.4	1.0	61.4	16.2	37.6		
2001	1158 2,3,4,5	9.7	0.0	0.0	1.0	1.0	0.0	7.6	1.8	0.5	1.5	1.6	0.0	75.3	14.5	24.7		
2002	1561 2,3,4,5	20.8	14.0	4.2	0.1	1.6	0.0	2.1	1.5	0.0	8.6	0.4	0.0	46.8	32.5	53.2		
2003	1877 2,3,4,5	12.3	8.1	2.5	1.3	0.7	0.0	2.9	3.9	0.8	4.5	2.3	0.0	60.7	26.2	39.3		
2004	1156 2,3,4,5	20.0	10.1	4.0	0.0	4.8	0.0	4.9	0.5	1.3	11.9	2.8	0.0	39.7	39.0	60.3		
2005	824 2,3,4,5	16.9	12.7	8.5	0.0	1.3	0.0	11.7	2.2	0.6	7.0	3.6	0.0	35.4	47.1	64.6		
2006	1322 2,3,4,5	14.7	13.5	9.1	0.0	1.7	0.0	8.6	1.2	1.0	7.2	3.1	0.8	39.1	44.4	60.1		
2007	507 2,3,4,5	17.4	3.6	11.0	0.0	0.0	0.4	1.4	2.0	0.0	5.3	5.1	0.0	53.8	28.8	46.2		
2008	1771 2,3,4,5	9.4	8.1	9.3	0.0	0.0	0.0	5.1	2.1	0.0	2.9	3.0	0.0	60.1	30.5	39.9		
2009	1691 2,3,4,5	10.5	7.2	5.7	0.0	0.6	0.0	4.7	4.1	0.4	10.0	6.2	0.2	50.4	38.5	49.4		
2010	2025 2,3,4,5	11.4	10.5	3.6	0.0	0.3	0.0	7.2	2.2	1.9	9.4	1.9	1.2	50.4	35.1	48.4		
2011	1853 2,3,4,5	10.0	8.9	5.1	0.0	0.3	1.2	4.2	3.8	1.3	9.3	2.9	0.1	53.0	35.7	47.0		
2012	1942 2,3,4,5	9.4	8.6	5.6	0.0	1.0	0.4	5.7	4.0	3.1	4.5	4.9	0.0	52.8	34.7	47.2		
2013	8226 2,3,4,5	8.0	7.7	4.5	0.0	0.5	1.6	5.0	5.1	1.6	2.5	2.0	0.9	60.5	29.0	38.5		
2014	4667 2,3,4,5	12.0	10.4	4.3	0.9	0.3	2.1	2.9	2.2	3.9	8.0	1.8	0.9	50.1	33.1	49.0		
2015	5011 2,3,4,5	7.2	4.3	2.7	0.0	0.8	0.5	4.6	3.2	4.8	2.9	3.1	1.4	64.5	22.1	34.1		
2016	2142 2,3,4,5	12.2	10.9	3.7	0.0	0.5	0.4	5.4	0.6	1.0	2.6	1.2	0.0	61.5	25.3	38.5		
2017	3056 2,3,4,5	13.7	9.0	5.6	0.0	0.6	0.2	7.9	2.7	1.5	2.7	1.7	0.5	53.8	30.4	45.7		
2018	5148 2,3,4,5	5.6	4.3	5.2	0.0	0.1	1.4	5.2	4.1	1.5	4.6	2.8	0.3	64.7	27.9	35.0		
16-17	2599	13.0	10.0	4.7	0.0	0.5	0.3	6.7	1.6	1.3	2.7	1.4	0.2	57.7	27.8	42.1		
09-18	3576	10.0	8.2	4.6	0.1	0.5	0.8	5.3	3.2	2.1	5.6	2.8	0.5	56.2	31.2	43.3		
09-15	3631	9.8	8.2	4.5	0.1	0.5	0.8	4.9	3.5	2.4	6.7	3.2	0.7	54.5	32.6	44.8		
13-17	4620	10.6	8.5	4.2	0.2	0.5	1.0	5.2	2.8	2.6	3.8	1.9	0.7	58.1	28.0	41.2		
18-18	5148	5.6	4.3	5.2	0.0	0.1	1.4	5.2	4.3	1.5	4.6	2.8	0.3	64.7	27.9	35.0		
2018 rel to 13-17 avg																	0%	-15%
2018 rel to 2017																	-8%	-23%

SHU total mort

Table C.1. Percent distribution of Nicola River Spring (Fraser Early) AEQ total fishing mortalities and escapement.

Nicola River Spring																
Table C. . Percent distribution of Nicola River Spring (Fraser Early) AEQ total fishing mortalities and escapement.																
Catch Year	Est # of CWT	AABM Fishery		CDN ISBM T, N	Other T, N	ISBM Fishery		Fraser N	Nehalem N	BC Stran de Ful T, S, N	Canada Freshwater		ESCAPEMENT		Canadian CYER	total CYER
		SEAK T, N, S	NBC-WCVI T			Fraser N	ISBM T, S, N				Canada N	S	STRAYS	Esc.		
1979	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1980	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1981	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1982	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1983	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1984	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1985	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1986	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1987	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1988	218 3	Failed Criteria													-	-
1989	1326 3.4	0.0	1.4	1.1	0.5	0.0	12.2	5.6	7.3	3.8	0.0	2.4	0.3	65.3	30.5	34.4
1990	292 3.4.5	0.0	4.5	0.0	0.0	0.0	0.0	0.0	2.1	6.8	13.7	13.4	1.7	57.9	33.6	40.4
1991	1375 3.4.5.6	0.7	4.5	0.2	1.1	0.0	0.0	0.7	4.5	2.8	12.9	7.2	0.9	64.4	31.2	34.7
1992	561 3.4.5.6	0.0	11.1	0.0	3.6	0.0	0.0	3.6	4.6	12.7	6.2	7.3	0.4	50.6	36.4	49.0
1993	1241 3.4.5.6	0.0	8.9	1.2	1.4	0.0	0.0	5.0	1.9	5.2	9.4	5.2	0.0	61.8	33.0	38.2
1994	2071 3.4.5.6	0.0	4.3	0.4	0.2	0.0	0.0	0.8	2.7	0.3	1.3	8.0	0.2	81.7	17.7	18.0
1995	1877 3.4.5.6	0.0	2.0	1.2	1.3	0.0	0.0	1.5	1.5	0.5	3.4	3.6	0.0	85.0	14.5	15.0
1996	69 3.4.5.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18.8	0.0	0.0	81.2	18.8	18.8
1997	224 3.4.5.6	0.0	0.0	0.0	4.0	0.0	0.0	0.0	4.9	11.2	1.8	6.3	0.0	71.9	17.0	28.1
1998	418 3.4.5.6	0.0	0.0	4.8	1.0	0.0	0.0	1.7	1.2	0.0	10.0	17.0	0.0	64.4	35.6	35.6
1999	2424 3.4.5.6	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.5	0.8	6.9	2.2	0.0	89.4	9.8	10.6
2000	1771 3.4.5.6	0.0	0.0	2.1	0.0	0.0	0.0	0.8	3.6	0.0	8.0	5.3	0.0	80.2	19.8	19.8
2001	2263 3.4.5.6	0.0	0.1	0.0	0.0	0.0	0.0	0.8	3.4	0.8	6.7	4.4	0.0	83.9	15.4	16.1
2002	2319 3.4.5.6	0.0	2.1	0.3	0.2	0.0	0.0	0.3	0.8	1.0	4.0	2.5	0.0	88.8	10.2	11.2
2003	1810 3.4.5.6	0.2	3.7	0.6	0.0	0.0	0.0	0.9	1.8	0.6	0.6	6.7	0.0	85.0	14.3	15.0
2004	441 3.4.5.6	0.0	4.3	0.0	0.0	0.0	0.0	2.5	1.4	0.9	23.6	0.0	0.0	67.3	31.7	32.7
2005	413 3.4.5.6	0.0	5.3	0.0	0.0	0.0	0.0	3.1	3.6	0.5	14.5	14.8	0.0	58.1	41.4	41.9
2006	432 3.4.5.6	0.0	3.2	0.0	0.0	0.0	0.0	2.8	1.2	13.9	9.5	0.0	0.0	69.4	29.4	30.6
2007	157 3.4.5.6	0.0	6.4	0.0	0.0	0.0	0.0	0.0	0.0	1.3	31.2	21.7	0.0	39.5	59.2	60.5
2008	624 3.4.5.6	0.0	1.4	0.6	0.0	0.0	0.0	2.6	1.4	3.0	11.4	3.5	0.0	76.0	21.0	24.0
2009	293 3.4.5.6	0.0	0.3	0.0	0.0	0.0	0.0	0.0	8.2	7.2	18.8	20.1	0.0	45.4	47.4	54.6
2010	2328 3.4.5.6	0.4	1.5	0.3	0.0	0.0	0.0	1.2	0.6	1.2	4.6	0.0	0.0	90.2	8.2	9.8
2011	683 3.4.5.6	0.0	0.9	0.4	0.0	0.0	0.4	1.9	2.5	3.8	3.8	2.5	0.0	83.7	12.4	16.3
2012	723 3.4.5.6	0.0	0.6	0.8	0.0	0.0	0.6	2.4	1.8	8.7	17.2	0.8	0.0	67.2	24.1	32.8
2013	1466 3.4.5.6	0.0	1.4	0.0	0.0	0.0	0.2	0.5	1.2	3.5	4.6	1.6	0.0	87.0	8.4	13.0
2014	436 3.4.5.6	0.0	2.1	0.0	0.0	0.0	0.0	1.6	0.0	0.9	1.6	9.2	0.0	83.7	14.7	16.3
2015	1549 3.4.5.6	0.0	0.5	0.2	0.0	0.0	0.9	0.8	2.6	1.9	10.0	0.0	0.0	83.1	15.0	16.9
2016	973 3.4.5.6	0.2	2.7	0.0	0.0	0.0	0.7	2.6	7.6	1.0	10.1	0.0	0.0	75.1	23.6	24.9
2017	1086 3.4.5.6	0.0	2.2	0.0	0.0	0.0	0.2	1.6	1.8	1.8	7.6	0.0	0.0	84.7	13.4	15.3
2018	919 3.4.5.6	0.0	1.0	0.3	0.0	0.0	1.2	1.7	3.3	1.6	17.1	0.0	0.0	73.8	24.6	26.2
16-17	1030	0.1	2.4	0.0	0.0	0.0	0.5	2.1	4.7	1.4	8.9	0.0	0.0	79.9	18.5	20.1
09-18	1046	0.1	1.3	0.2	0.0	0.0	0.6	1.3	3.3	3.3	10.0	2.4	0.0	77.4	19.2	22.6
09-15	1068	0.1	1.0	0.2	0.0	0.0	0.6	1.1	2.9	4.1	9.3	3.5	0.0	77.2	18.6	22.8
13-17	1102	0.0	1.8	0.0	0.0	0.0	0.8	1.2	3.3	2.2	7.7	0.2	0.0	82.7	15.0	17.3
18-18	919	0.0	1.0	0.3	0.0	0.0	1.2	1.7	3.3	1.6	17.1	0.0	0.0	73.8	24.6	26.2
2018 rel to 13-17 avg		-100%	-45%	743%	-100%	51%	43%	-1%	-25%	122%	-100%	-11%	64%	52%		
2018 rel to 2017			-56%			550%	11%	77%	-11%	124%		-13%	83%	72%		

000167

HAR total mort

Chilliwack River Fall										Percent distribution of Chilliwack River Fall (Fraser Late) AEQ total fishing mortalities and escapement.									
Catch Year	Est # of CWT	Est Ages	AABM Fishery			CDN ISBM Other Fraser			ISBM Fishery			Canada Freshwater			ESCAPEMENT			Canadian CYER	total CYER
	SEAK T,N,S	NBC-WCVI T S	T,N	S		T,N	Other	Fraser	Nelhem	BC	Stran de Fu	T, S, N	N	S	STRAYS	Esc.			
1979	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1980	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1981	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1982	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1983	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1984	3194	2	Failed Criteria			-	-	-	-	-	-	-	-	-	-	-	-	-	-
1985	4646	2,3	0.0	27.0	0.1	19.9	0.0	2.9	21.8	0.6	5.8	0.0	1.4	0.3	20.3	-	73.6	79.4	-
1986	2351	2,3,4	1.1	33.0	0.0	12.5	0.0	1.9	20.9	0.4	11.9	0.0	1.0	4.8	12.5	-	69.8	82.8	-
1987	2149	2,3,4,5	0.0	21.0	0.0	18.3	0.0	6.9	18.5	0.0	14.1	0.0	1.3	1.1	18.8	-	66.0	80.1	-
1988	2709	2,3,4,5	0.0	19.5	0.5	17.2	0.0	1.8	18.6	0.0	10.0	0.0	1.1	1.9	29.3	-	58.7	68.8	-
1989	2450	2,3,4,5	0.5	17.8	0.0	7.0	0.0	3.1	12.8	0.0	9.6	0.0	2.4	2.3	44.5	-	43.2	53.2	-
1990	1304	2,3,4,5	0.2	23.1	0.0	4.1	0.0	1.2	19.9	0.5	10.0	0.0	0.5	2.1	38.3	-	49.3	59.6	-
1991	1724	2,3,4,5	0.9	10.8	2.1	6.8	0.0	0.0	16.8	0.3	23.5	1.8	1.1	4.2	31.4	-	39.8	64.3	-
1992	3103	2,3,4,5	0.3	19.8	0.5	12.0	0.2	0.0	15.5	0.5	22.9	2.4	1.5	1.0	23.5	-	52.2	75.5	-
1993	4221	2,3,4,5	0.3	19.9	0.1	8.3	0.0	0.0	10.2	0.5	13.0	0.5	1.1	1.5	44.6	-	40.6	53.9	-
1994	2027	2,3,4,5	0.2	13.0	0.3	8.1	0.0	0.0	7.0	0.1	8.5	1.3	2.0	2.1	57.4	-	31.9	40.6	-
1995	719	2,3,4,5	0.7	9.3	0.0	9.6	2.6	0.0	7.1	0.4	10.8	1.5	5.8	0.0	52.0	-	36.4	48.0	-
1996	2213	2,3,4,5	0.0	12.7	0.5	1.2	0.0	0.0	8.1	0.0	4.6	1.9	1.0	0.0	70.0	-	25.4	29.9	-
1997	1769	2,3,4,5	0.2	2.0	0.4	1.3	0.0	0.0	20.5	1.3	9.6	0.8	2.5	0.1	61.3	-	28.9	38.7	-
1998	2409	2,3,4,5	0.5	12.9	0.9	1.5	1.1	0.0	15.2	0.2	11.0	2.6	2.5	0.0	51.7	-	36.8	48.3	-
1999	3196	2,3,4,5	0.5	0.2	0.0	0.0	0.6	0.0	3.8	0.3	4.4	0.2	1.3	0.5	88.4	-	6.3	11.1	-
2000	3370	2,3,4,5	0.1	0.5	1.4	0.0	0.4	0.0	10.6	0.3	15.0	0.4	1.6	0.3	69.3	-	15.3	30.4	-
2001	3582	2,3,4,5	0.1	4.4	1.9	0.0	0.5	0.0	3.3	0.3	4.4	0.0	1.8	0.0	83.3	-	12.1	16.7	-
2002	3475	2,3,4,5	0.1	4.4	1.9	0.0	0.2	0.0	11.3	0.3	15.0	0.2	15.5	0.0	51.0	-	33.9	49.0	-
2003	5136	2,3,4,5	0.3	8.3	4.3	0.1	0.8	0.0	4.1	0.2	11.4	0.6	5.2	0.0	64.7	-	23.6	35.3	-
2004	4945	2,3,4,5	0.1	5.4	2.2	0.0	0.6	0.0	2.6	0.5	9.9	0.3	6.1	5.6	66.7	-	17.6	27.6	-
2005	6874	2,3,4,5	0.1	5.4	2.3	0.0	0.0	0.0	1.9	0.3	8.1	0.7	4.6	0.4	76.2	-	15.2	23.4	-
2006	4298	2,3,4,5	0.0	7.1	3.0	0.1	1.4	0.0	2.0	1.4	6.0	3.2	5.6	0.0	70.1	-	23.8	29.9	-
2007	2743	2,3,4,5	0.0	8.3	2.2	0.0	0.0	0.0	1.3	1.1	5.2	0.6	4.8	1.0	75.5	-	18.4	23.6	-
2008	2860	2,3,4,5	0.3	10.9	3.8	0.1	1.0	0.0	2.2	0.0	9.2	0.9	9.5	0.6	61.4	-	28.5	38.0	-
2009	2986	2,3,4,5	0.0	1.7	2.4	0.0	0.8	0.0	2.9	0.9	5.1	3.3	14.0	1.3	67.5	-	26.1	31.2	-
2010	6393	2,3,4,5	0.3	2.7	2.4	0.0	0.2	0.0	4.5	1.6	6.7	1.4	6.2	0.6	73.5	-	18.9	25.9	-
2011	5881	2,3,4,5	0.0	3.8	2.4	0.0	0.6	0.9	2.8	0.6	5.4	0.7	3.0	0.0	79.8	-	14.8	20.2	-
2012	5613	2,3,4,5	0.0	1.1	1.4	0.0	0.2	0.2	11.0	0.4	13.9	0.3	5.4	0.0	66.2	-	19.9	33.8	-
2013	13046	2,3,4,5	0.1	2.5	2.3	0.0	0.1	1.0	8.9	1.3	10.3	1.3	5.7	0.3	66.3	-	23.1	33.5	-
2014	11959	2,3,4,5	0.1	1.4	1.2	0.1	0.3	2.3	10.2	1.1	7.0	1.3	3.8	0.3	70.8	-	21.7	28.8	-
2015	6325	2,3,4,5	0.0	0.5	0.6	0.0	0.1	1.1	9.6	0.7	5.5	3.2	5.8	1.0	71.7	-	21.7	27.3	-
2016	6852	2,3,4,5	0.1	1.1	1.8	0.0	0.2	0.2	10.8	0.4	2.9	0.8	6.9	0.3	74.5	-	22.2	25.2	-
2017	5701	2,3,4,5	0.0	1.9	3.3	0.0	0.3	0.4	18.8	0.7	6.8	0.6	8.5	0.9	57.8	-	34.5	41.3	-
2018	5642	2,3,4,5	0.2	0.8	1.0	0.0	0.6	0.8	16.5	1.6	8.6	1.6	2.9	0.0	65.5	-	25.8	34.5	-
16-17	6276		0.0	1.5	2.6	0.0	0.2	0.3	14.8	0.5	4.9	0.7	7.7	0.6	66.2	-	28.3	33.2	-
09-18	7040		0.1	1.7	1.9	0.0	0.3	0.7	9.6	0.9	7.2	1.5	6.2	0.5	69.4	-	22.9	30.2	-
09-15	7458		0.1	2.0	1.8	0.0	0.3	0.8	7.1	1.0	7.7	1.7	6.3	0.5	70.8	-	20.9	28.7	-
13-17	8777		0.1	1.5	1.9	0.0	0.2	1.0	11.7	0.9	6.5	1.4	6.2	0.6	68.2	-	24.6	31.2	-
18-18	5642		0.2	0.8	1.0	0.0	0.6	0.8	16.5	1.6	8.6	1.6	2.9	0.0	65.5	-	25.8	34.5	-
2018 rel to 13-17 avg			214%	-44%	-48%	-100%	221%	-19%	42%	85%	31%	9%	-53%	-100%	-4%		5%	11%	
2018 rel to 2017				-55%	-70%		81%	82%	-12%	137%	26%	181%	-66%	-100%	13%		-25%	-16%	

Wong, Eva

From: Winther, Ivan
Sent: April-15-19 9:18 AM
To: Holmes, John; Thiess, Mary; Brown, Gayle; Parken, Chuck; Velez-Espino, Antonio; Wor, Catarina
Subject: RE: URGENT: Chinook Stock List
Attachments: 2018 Skeena Chinook Backgrounder - Winther 11April2019.docx

Hi John,
 Please find attached a background document for the Skeena. Basically it notes that the Skeena summer timed CU's were low in 2017 but showed a recovery in 2018. The 2019 forecast is for terminal returns near the 10 year average. A similar pattern was evident for the Nass and the 2019 forecast is also healthy. The 2017 decline was not evident in our Central Coast indicator – Atnarko River. This stock is returning to more normal escapement levels after record returns in 2015. The Atnarko is heavily enhanced with near 60% hatchery fish in 2018.
 ... now Fraser run timing.
 Regards,
 Ivan

From: Winther, Ivan
Sent: 2019–April-15 7:53 AM
To: Holmes, John <John.Holmes@dfo-mpo.gc.ca>
Subject: RE: URGENT: Chinook Stock List

Hi John,
 [REDACTED] I should be able to get something together on status later today. The Fraser timing data may take a bit longer.
 Ivan

From: Holmes, John <John.Holmes@dfo-mpo.gc.ca>
Sent: 2019–April-12 10:02 AM
To: Thiess, Mary <Mary.Thiess@dfo-mpo.gc.ca>; Brown, Gayle <Gayle.Brown@dfo-mpo.gc.ca>; Parken, Chuck <Chuck.Parken@dfo-mpo.gc.ca>; Velez-Espino, Antonio <Antonio.Velez-Espino@dfo-mpo.gc.ca>; Wor, Catarina <Catarina.Wor@dfo-mpo.gc.ca>; Winther, Ivan <Ivan.Winther@dfo-mpo.gc.ca>
Cc: Luedke, Wilf <Wilf.Luedke@dfo-mpo.gc.ca>
Subject: URGENT: Chinook Stock List

All,

As a result of Ministerial briefings on 2019 Chinook measures, the Minister's office has requested a list of all Chinook stocks and their health (status) in BC. For southern BC, I think we look to provide PST status (abundance based), WSP status (where available) and COSEWIC status (where available). For WCVI and NBC I expect we will provide PST abundance category unless there is another metric that can be used.

Ivan – MINO is also asking for information on the timing of Fraser stocks of concern as they move through the Area F fishery (and Area G – Bryan Rusch has developed some information) to support a closure decision until those stocks are clear of the fishery. Please put together a memo with the timing information.

NOTE: MINO is asking for this information by the end of the day today. Hence I need your responses as soon as possible. Please let me know when I can expect the required information.

John

John Holmes, Ph.D.

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Skeena River Chinook Salmon Backgrounder for IFMP Discussions

Prepared by Ivan Winther, updated 11 April 2019, data preliminary

Skeena River Chinook salmon experienced declines in abundance in 2016 and 2017 followed by increases in abundance in 2018 in most conservation units (CU's). Currently the abundance of Chinook salmon in aggregate across all CU's is near the ten year average. Large lake based populations that were relatively strong in 2016 declined to near-record lows in 2017 then showed significant recovery in 2018. CU's made up of smaller populations that were at low levels in 2016 and 2017 have also increased in abundance. Although biologically based escapement goals or other management targets have not been fully developed for Skeena Chinook stocks, the declining trends ceased in 2018 and populations increased. The data provided here regarding Skeena River Chinook salmon escapements and exploitation are preliminary and currently under review. The best estimates available at the time of writing are presented to support the Post Season Review and fishery management discussions for the 2019 Integrated Fisheries Management Plan.

Skeena River Chinook

The Skeena River is the second largest river in BC and drains an area of approximately 54,400 km². It supports the second largest aggregate of Chinook salmon stocks in BC with over 75 separate spawning populations. Four large-lake stabilized tributaries, the Kitsumkalum, Morice, Babine and Bear rivers, account for 65% of the total Chinook salmon abundance in the Skeena. The Kitsumkalum River is glacially turbid and visual methods for enumerating salmon are not appropriate. By comparison, other major Chinook salmon producing tributaries like the Morice, Bear and Babine rivers run relatively clear, especially in late summer when most of the Chinook salmon spawning occurs. Skeena River Chinook salmon are primarily stream-type (~97%) and are far north migrating. Most of the Skeena River Chinook salmon populations are summer run, but spring run fish occur in the Cedar River and the Upper Bulkley River.

Conservation units proposed for Skeena River Chinook salmon are based on genetic structure, life history, migration, distribution and timing of spawning. Nine CU's are currently defined in the Skeena watershed. The summer timed Chinook CU's are:

1. *Skeena Large Lakes* made up of Bear, Babine and Morice;
2. *Kitsumkalum*;
3. *Upper Skeena*: including Kuldo, Kluatantan, Kluayaz, Otsi, Squingula, Sicintine and Sustut;
4. *Middle Skeena*: including Slamgeesh, Kispiox, Nangeese, Sweetin, Kitwanga;
5. *Lower Skeena*: including Zymagotitz, Exchamsiks, Exstew, Gitnadoix, Kasiks, Kitseguecla, Shegunia and Suskwa;
6. *Zymoetz – Fiddler*; and
7. *Ecstall* (may or may not include Khyex).

The spring timed Chinook CU's are:

8. *Upper Bulkley*; and
9. *Kitsumkalum (Cedar)*.

There's some question as to whether there may be other spring timed stocks. Spring timed stocks are not included in the genetic estimates of abundance since they are not sampled effectively by the Tyee Test Fishery.

Escapement Methodology

Historically, Chinook salmon escapements to the Skeena River have been represented by an index that includes up to 40 populations surveyed annually using a variety of techniques (Figure 1 solid bars). Most of the escapement estimates are based on visual observations from helicopter, fixed wing aircraft and/or from stream walking surveys but the index also includes counts or estimates from fish counting weirs present on the Babine, Sustut and Kitwanga rivers as well as the mark-recapture estimates for the Kitsumkalum River. The Kitsumkalum River is the exploitation rate indicator stock for the Skeena Chinook salmon aggregate and escapements have been estimated using a mark-recapture program since 1984.

Preliminary estimates have been produced for Chinook salmon returns to the Skeena River using the proportion of Kitsumkalum River fish measured from genetic samples collected at the Tyee Test fishery and estimates of the Kitsumkalum Chinook escapement from independent mark-recapture programs (Figure 1 lines +/- 1 standard deviation). Preliminary estimates are available from 1984 to 2018 as a result of projects funded by DFO and the Pacific Salmon Commission's Sentinel Stocks Program and Northern Endowment Fund. The genetic-based estimates represent an improvement over the historic indices since they include estimates of variance which cannot be produced for the historic indices. Comparisons between years are valid since the method is consistent across the time series whereas methods used for the historic indices have changed through time.

The genetic studies found that the Kitsumkalum River conservation unit (CU) contributes 18% to the Skeena River aggregate on average. The Morice, Bear and Babine populations make up the Skeena Large Lake CU and their average contributions are 30%, 7.4% and 6.8% to the aggregate respectively.

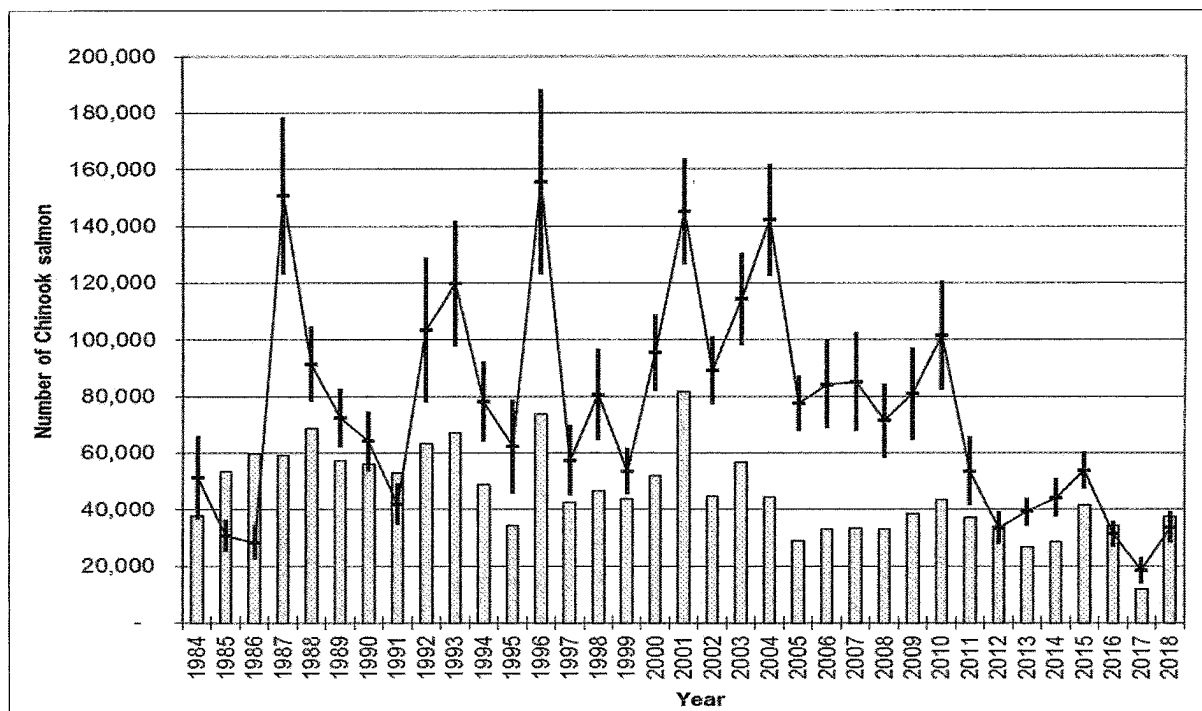


Figure 1. Skeena River escapements of Chinook salmon, 1984–2018.

Escapement Goal Basis

There is no biologically based escapement goal for the Skeena River aggregate. The estimate of escapement required to produce maximum sustained yield (S_{MSY}) for the Kitsumkalum indicator stock is 8,621 Chinook salmon based on stock-recruitment analyses (McNicol 1999; updated in Parken et al. 2006). Escapements to the Kitsumkalum River have exceeded the point estimate for S_{MSY} in every year other than in 1997 and 2017 (Figure 2).

Kitsumkalum River

The Kitsumkalum River is an exploitation rate indicator stock in the Lower Skeena River; high quality mark-recapture escapement estimates have been produced for this stock annually since 1984. This stock has had a very low level of enhancement relative to the CWT indicator stock targets (mean enhanced contribution = 4.6%, range = 0.4–15%, run years 1985–2018).

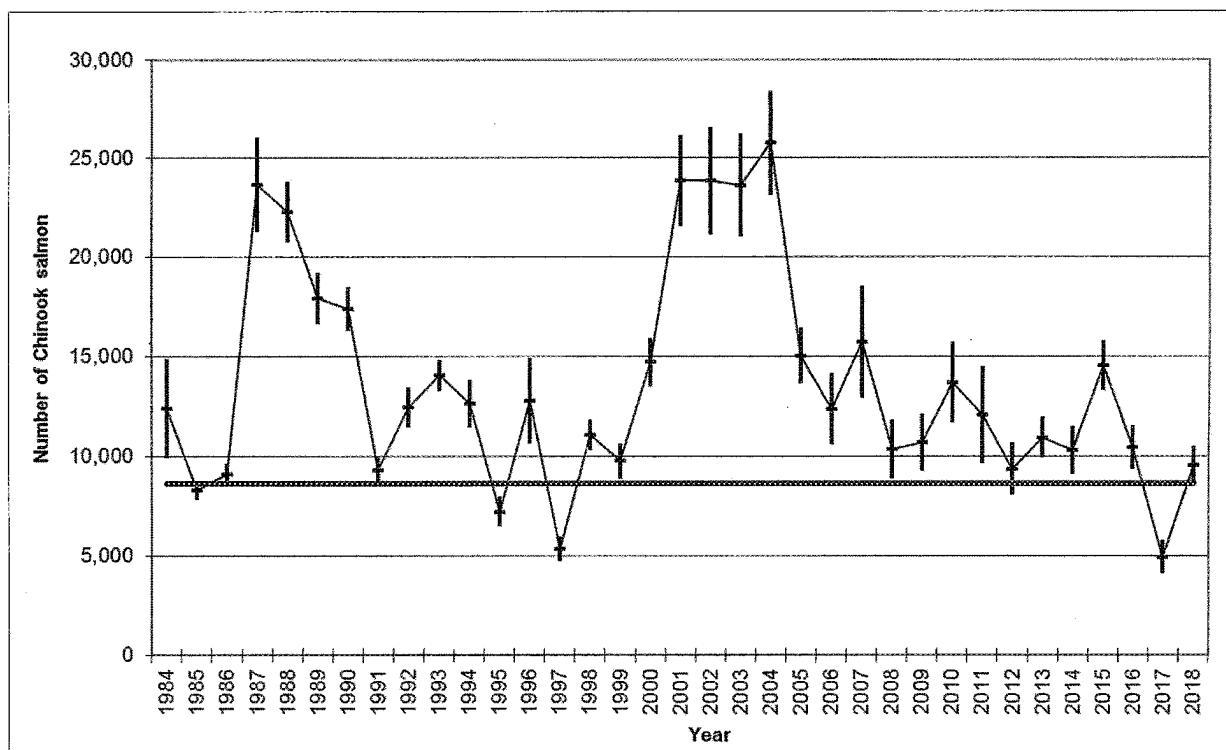


Figure 2. Kitsumkalum River escapements of Chinook salmon, 1984–2018.

Marine survival has fluctuated but was below average from 2008 to 2010 and was above average in 2011(Figure 3). The survival rate of KLM is survival to age 3 because the fish enter the ocean as yearlings.

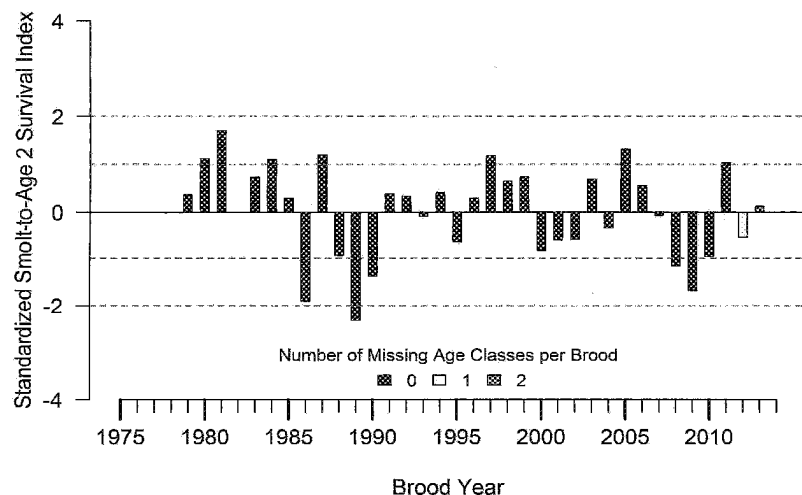


Figure 3. Marine survival index (standardized to a mean of zero) for the Kitsumkalum River stock of Chinook salmon, 1979–2013 brood years. Last complete brood year is 2011. CWT's were not applied to the 1982 brood.

The synoptic evaluation (method below) for Kitsumkalum River Chinook stock status indicates the mature-run equivalent exploitation rates have been below the threshold reference line in all years (Figure 5, Table 1). Spawning escapements have exceeded SMSY reference line in all but three years. In the earliest period (1989–1998), there were two years in which the stock with the spawning escapement was in the buffer zone and one of the years the stock was in the low escapement and low exploitation zone. Recently (1999–2015), the stock has been in the safe zone. Analyses of the 2018 CWT data have not been completed but escapement is above SMSY and exploitation is expected to fall in the low exploitation zone (safe zone).

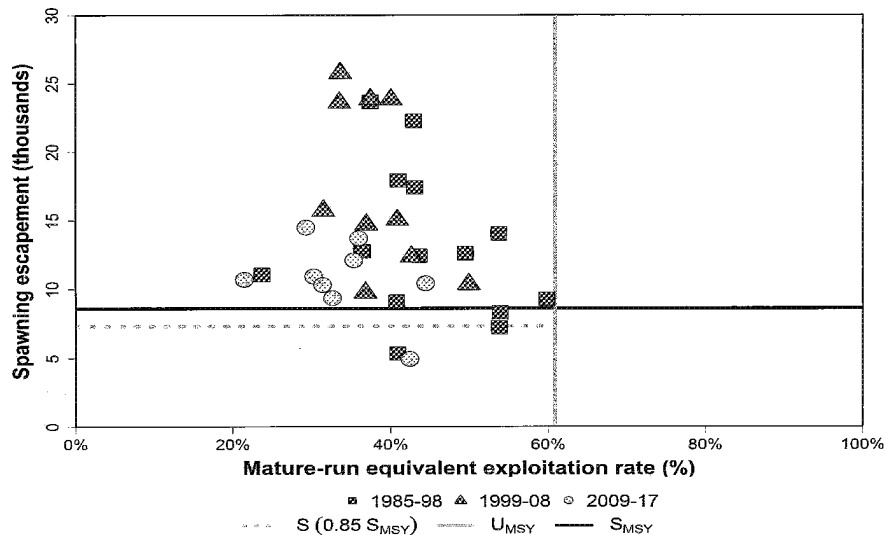


Figure 4. Mature-run equivalent exploitation rate, spawning escapement and threshold reference lines for exploitation rate and spawning escapement by catch year for Kitsumkalum River Chinook salmon, 1985–2017.

Table 1. Percent distribution of Kitsumkalum River Summer total fishing mortalities among fisheries and escapement.

Catch Year	Est. CWTs	Ages Present	AABM					ISBM			Esc.
			SEAK			NBC		Canada Net	NBC Sport	Terminal Sport	
			Troll	Net	Sport	Troll	Sport				
79-84	NA		-	-	-	-	-	-	-	-	-
1985	194	4,5,6	28.9	0.0	1.5	7.7	0.0	12.9	0.0	0.0	49.0
1986	216	3,5,6	10.2	0.0	0.0	13.9	0.0	8.8	0.0	2.3	64.8
1987	263	3,4,6	13.3	0.0	2.7	9.9	0.4	7.2	1.9	1.9	62.7
1988	201	3,4,5	24.4	1.5	4.5	7.5	0.5	18.4	3.0	3.0	37.3
1989	850	3,4,5,6	14.1	0.7	6.9	5.2	1.6	10.6	1.8	3.4	55.6
1990	636	3,4,5,6	11.8	0.0	3.1	7.9	0.8	6.8	1.1	6.4	61.8
1991	335	3,4,5,6	19.7	0.0	4.2	10.7	3.9	14.6	3.0	6.3	36.7
1992	692	3,4,5,6	15.2	0.0	1.9	7.9	3.6	9.1	1.9	1.3	58.7
1993	241	3,4,5,6	11.6	2.1	2.1	11.2	2.9	17.8	1.2	0.0	51.0
1994	131	3,4,5,6	13.7	0.0	0.0	6.1	3.8	18.3	2.3	0.0	55.7
1995	202	3,4,5,6	13.4	0.0	3.5	10.4	2.5	26.7	0.5	4.5	38.6
1996	537	3,4,5,6	10.6	0.2	6.9	0.2	0.4	17.5	1.3	3.0	60.0
1997	647	3,4,5,6	12.2	0.0	9.0	0.0	3.6	7.7	2.0	5.1	60.4
1998	504	3,4,5,6	10.5	0.0	3.4	0.0	0.4	1.2	1.6	3.6	79.4
1999	727	3,4,5,6	12.8	0.0	10.0	0.0	11.4	2.1	0.6	1.4	61.8
2000	354	3,4,5,6	9.0	0.0	10.2	0.0	8.2	7.1	0.0	3.4	62.1
2001	567	3,4,5,6	12.2	0.0	10.9	0.7	0.0	10.1	4.9	2.6	58.6
2002	1036	3,4,5,6	14.4	0.4	5.2	1.8	6.0	3.2	5.7	2.0	61.3
2003	628	3,4,5,6	15.8	0.0	1.3	5.9	2.7	0.5	3.3	3.3	67.2
2004	937	3,4,5,6	8.1	3.4	4.7	0.9	10.7	1.3	0.0	1.1	69.9
2005	307	3,4,5,6	18.9	0.0	2.9	3.3	8.5	0.0	0.0	6.8	59.6
2006	316	3,4,5,6	13.9	3.8	4.1	2.8	6.3	6.0	0.0	5.1	57.9
2007	555	3,4,5,6	13.3	0.9	5.4	1.6	6.5	2.0	2.7	0.9	66.7
2008	543	3,4,5,6	7.0	0.2	4.1	2.6	6.8	11.6	9.4	11.0	47.3
2009	707	3,4,5,6	12.7	2.5	5.2	1.3	4.2	0.7	3.5	0.7	68.3
2010	1011	3,4,5,6	5.3	0.5	4.1	2.4	5.5	0.9	6.0	4.5	70.7
2011	538	3,4,5,6	12.1	0.0	0.9	1.9	3.9	6.7	10.4	1.9	61.9
2012	292	3,4,5,6	14.7	1.0	1.7	1.0	4.5	1.4	5.8	0.0	68.8
2013	232	3,4,5,6	10.8	0.0	3.4	6.5	1.3	0.4	7.8	1.7	68.4
2014	250	3,4,5,6	11.6	0.4	2.0	1.6	3.2	1.2	6.0	9.6	64.4
2015	479	3,4,5,6	10.9	7.1	2.3	2.7	3.1	1.3	5.6	5.6	61.4
2016	608	3,4,5,6	9.2	5.6	1.5	1.5	3.8	0.8	13.5	3.1	61.0
2017	284	4,5,6	9.2	0	1.8	5.6	2.1	0	22.9	3.2	55.3
85-95	360		16.0	0.4	2.8	8.9	1.8	13.8	1.5	2.6	52.0
96-98	563		11.1	0.1	6.4	0.1	1.4	8.8	1.6	3.9	66.6
99-08	597		12.5	0.9	5.9	2.0	6.7	4.4	2.7	3.8	61.2
09-17	489		10.7	1.9	2.5	2.7	3.5	1.5	9.1	3.4	64.5

From 2018 PSC Catch & Escapement Report and Calibration & Exploitation Report in prep.

2019 forecasts for Skeena and Kitsumkalum Chinook

ForecastR (Velez-Espino et. al. 2019) was used to forecast Kitsumkalum Chinook escapement and Skeena River Chinook Aggregate terminal run estimates for 2019. Total Chinook return and age specific return were forecast to the terminal area.

ForecastR selected the "Same as previous year" model (Naïve 1) as the best model for the 2019 Skeena aggregate estimate of total abundance. This was also the result from previous retrospective forecasting work on Skeena River Chinook salmon. A combination of models arrived at the best age specific terminal run forecasts. 2019 Chinook salmon forecasts from ForecastR are presented for the Skeena Chinook Terminal run size and for Kitsumkalum Chinook escapement below. (Analyses courtesy A. Velez-Espino.)

Skeena Chinook Terminal Run Total Abundance			2019 Interval Forecast (80%)	
Best Model	Strata	2019 Point Forecast	Lower	Upper
Naïve-1	Total Abundance	40,989	35,111	44,980

Skeena Chinook Age Specific Terminal Run			2019 Interval Forecast (80%)	
Best Model	Strata	2019 Point Forecast	Lower	Upper
ARIMA	Age-4	14,374	13,372	15,008
SLPR	Age-5	49,129	31,292	87,480
ETS	Age-6	2,928	2,370	4,164
Naïve-5	Age-7	63	35	144
	Total	66,494	47,069	106,796

Kitsumkalum Chinook total abundance Escapement			2019 Interval Forecast (80%)	
Best Model	Abundance Strata	2019 Point Forecast	Lower	Upper
ETS	Total Abundance	8,595	7,605	9,427

Kitsumkalum Chinook total abundance Escapement			2019 Interval Forecast (80%)	
	Abundance Strata	2019 Point Forecast	Lower	Upper
Naïve-1	Total Abundance	9,537	8,947	12,093

Kitsumkalum Chinook Age Specific Escapement			2019 Interval Forecast (80%)	
Best Model	Abundance Strata	2019 Point Forecast	Lower	Upper
Naïve-5	Age-4	2,620	1,944	3,106
ETS	Age-5	4,041	3,605	4,694
ETS	Age-6	2,058	1,414	2,451
ETS	Age-7	54	34	84
	Age-4 to Age-7	8,773	6,997	10,335

Log-Power Sibling Regression model (SLPR),
 Exponential Smoothing Model (ETS),
 Auto-Regressive Integrated Moving Average model (ARIMA),
 Naïve Model Average of Previous Five Years (Naïve-5),
 Naïve Model Same as Previous Year (Naïve-1 or LLY).

The 10 year average Skeena terminal run was 53,500 (2009-2018), which is centered between the ForecastR options of 41,000 (LLY) for the aggregate forecast and 66,500 for the age specific forecast.

Citation: Vélez-Espino, L.A., Parken, C.K., Clemons, E.R., Peterson, R., Ryding, K., Folkes, M., and Pestal, G. 2019. ForecastR: tools to automate procedures for forecasting of salmonid terminal run and escapement. Final Report submitted to the Southern Boundary Restoration and Enhancement Fund, Pacific Salmon Commission, Vancouver BC. 117 p.

Chinook Escapement to Skeena Conservation Units

Skeena River Chinook escapements declined from 2004 to 2017 followed by an increase in 2018 (Figure 1). Declines were more severe in the smaller CU's up to 2016 and the larger CU's followed suit in 2017. Contributions to the Skeena aggregate by the Skeena Large Lake CU and the Kitsumkalum River CU increased from 2013 to 2016 to approximately 80% of the Skeena aggregate but dropped in 2017 as these larger CU's declined following the rest of the Skeena Chinook stocks (Figure 5, Table 2). Both groups increased in abundance in 2018 and their relative contributions were similar to 2017.

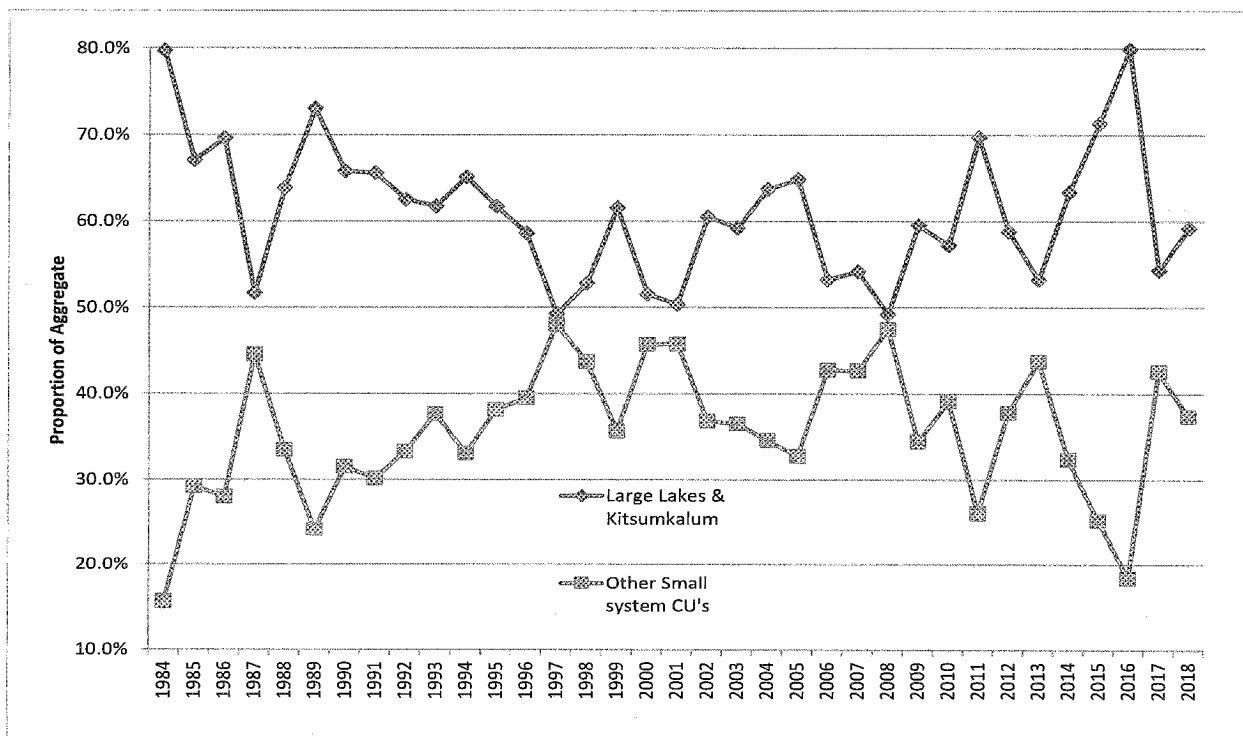


Figure 5. Contributions to the Skeena Chinook aggregate by Kitsumkalum and Large Lake CU's relative to CU's with smaller Chinook salmon populations. Proportions from genetic stock identification of Chinook salmon caught at the Tyee Test Fishery.

Visual estimates of Chinook escapements to the Bear, Babine and Morice Rivers are almost continuous through the 1984 – 2018 time series, only missing estimates for Bear and Morice populations in 1994 (Table 3). The time series has been subject to changes in methods that range

from peak count expansions to area under the curve (AUC) analyses. The AUC estimates were generated from relatively few visits (as low as 3), using constant survey life and self-reported observer efficiency. Comparisons of visual and GSI based estimates of the Large Lake Chinook CU escapement shows periods where the methods trend together as well as periods of significant departure (Figure 6).

The Middle Skeena, Lower Skeena and Zymoetz – Fiddler CU's are made up of several smaller Chinook salmon populations. The GSI based escapement estimates for the Upper Skeena CU shows modest returns from 2011 to 2018 without the severe decline in 2017 shown by other CU's (Figure 7). Other small population CU's show relatively modest levels of return since 2011 with low levels in 2016 and 2017 followed by an increase in 2018 (Figures 8 through 10).

Table 2. Preliminary escapement estimates from genetic stock identification of Chinook salmon caught in the Tyee Test fishery, 1984 – 2017.

Year	Kitsumkalum Peterson MR estimate	Total Skeena Aggregate	Large Lake CU	Upper Skeena CU	Middle Skeena CU	Zymoetz - Fiddler CU	Lower Skeena CU
1984	12,408	51,348	28,184	2,136	3,232	867	1,792
1985	8,304	30,875	11,974	1,845	3,001	1,497	2,720
1986	9,109	28,398	10,596	1,032	3,473	1,422	1,835
1987	23,657	150,874	54,159	11,910	35,695	8,515	10,932
1988	22,267	91,496	36,359	6,812	15,199	4,105	3,963
1989	17,925	72,422	35,078	2,585	11,191	225	3,108
1990	17,406	64,188	25,130	4,548	9,565	2,286	3,045
1991	9,288	41,940	17,652	2,537	4,889	2,252	3,026
1992	12,437	103,365	51,220	8,725	12,319	7,645	6,234
1993	14,059	119,780	59,850	13,495	23,523	3,571	4,485
1994	12,629	78,228	38,414	8,365	13,551	1,793	1,895
1995	7,221	62,272	31,065	8,694	8,789	2,689	3,713
1996	12,776	155,637	78,250	27,215	23,002	3,590	7,696
1997	5,342	57,368	22,847	11,469	10,854	2,450	2,680
1998	11,065	80,677	31,485	12,846	14,930	2,697	4,454
1999	9,763	53,418	22,692	4,513	8,122	2,472	3,917
2000	14,722	95,563	34,367	9,708	21,221	4,330	8,221
2001	23,839	145,120	49,132	20,001	26,569	8,349	11,127
2002	23,849	89,235	30,263	7,325	14,420	5,340	5,496
2003	23,608	114,346	43,925	9,026	19,183	4,635	8,618
2004	25,767	142,141	64,588	10,951	23,430	6,666	8,097
2005	15,046	77,531	35,185	6,374	12,193	3,792	2,895
2006	12,368	84,199	32,199	6,158	18,087	4,681	7,072
2007	15,736	85,179	30,412	7,963	17,651	4,518	6,076
2008	10,374	71,446	24,739	9,151	16,075	3,047	5,410
2009	10,703	80,900	37,223	7,136	14,183	2,679	3,748
2010	13,712	101,486	44,174	9,111	20,280	5,152	5,122
2011	12,059	53,682	25,187	2,264	6,323	3,243	2,215
2012	9,363	33,473	10,399	2,455	5,847	1,870	2,324
2013	10,934	39,179	10,039	2,439	8,821	2,143	3,537
2014	10,308	44,200	17,686	3,669	6,478	1,596	2,414
2015	14,500	53,770	23,760	2,272	6,564	1,763	2,875

2016	10,455	31,297	14,641	1,503	2,852	379	866
2017	4,943	18,480	5,299	2,615	2,756	666	1,485
2018	9,537	33,802	10,581	2,077	5,732	1,974	2,489

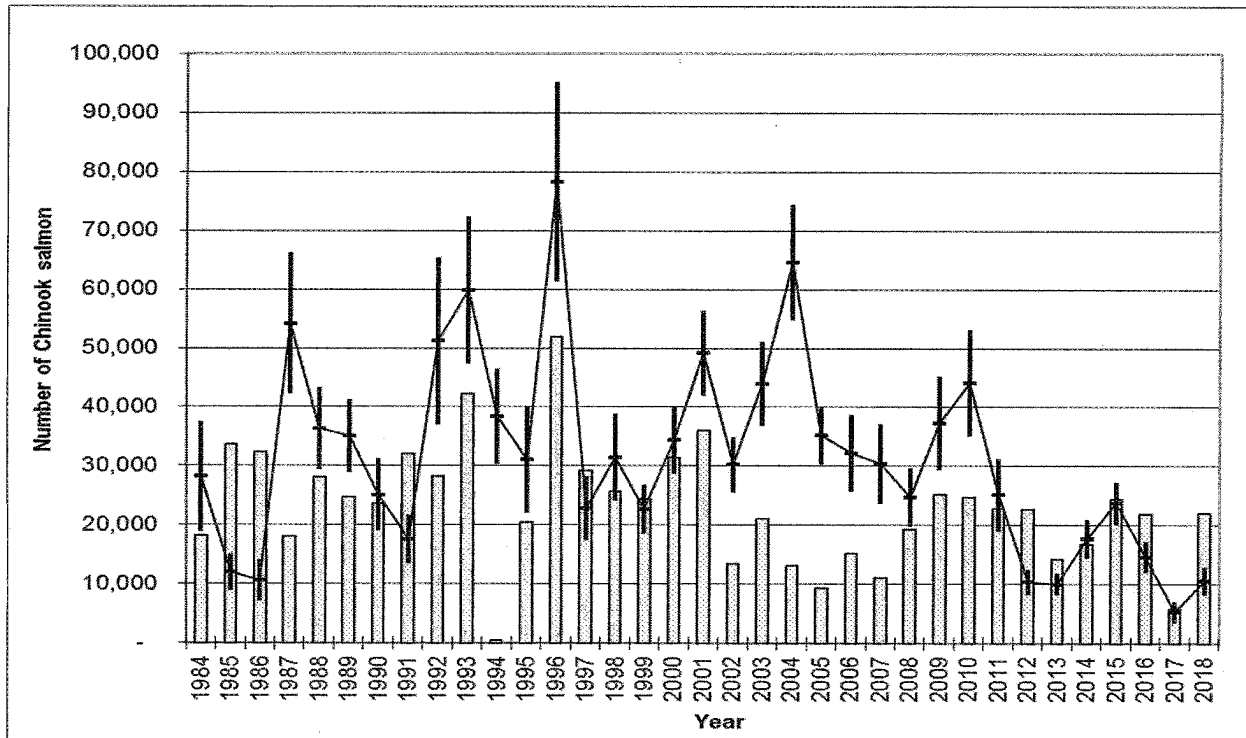


Figure 6. Skeena Large Lake Chinook CU escapements estimated with genetic stock identification techniques (lines +/- 1 standard deviation) compared with escapements from visual methods (bars). Note that Bear and Morice River populations were not counted in 1994.

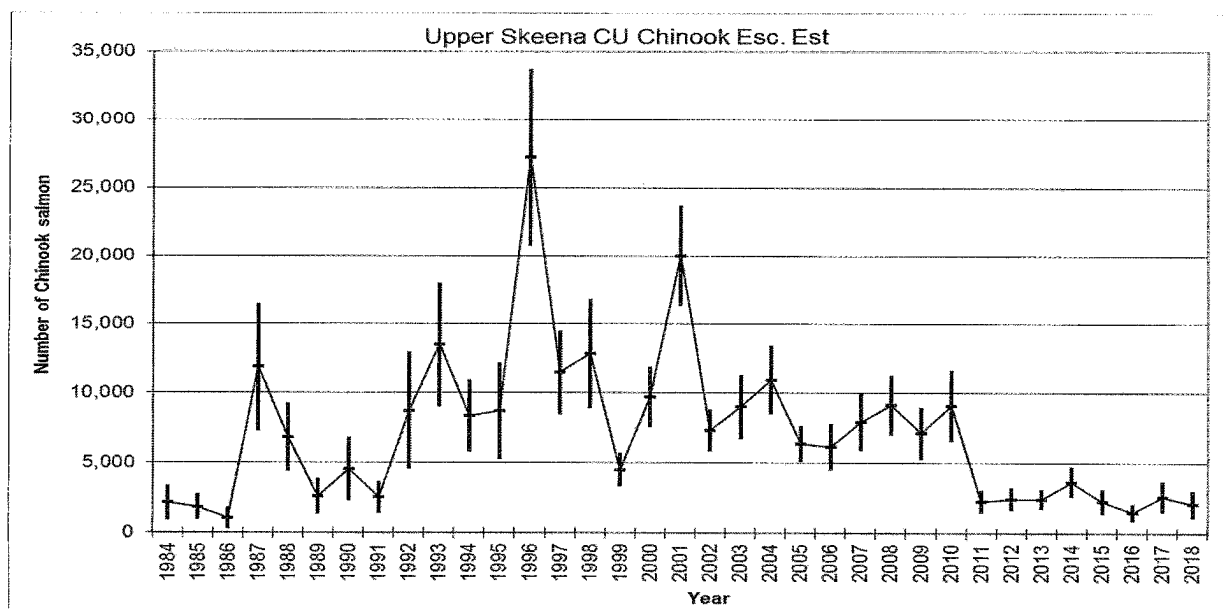


Figure 7. Upper Skeena Chinook CU escapements estimated with genetic stock identification techniques (lines +/- 1 standard deviation).

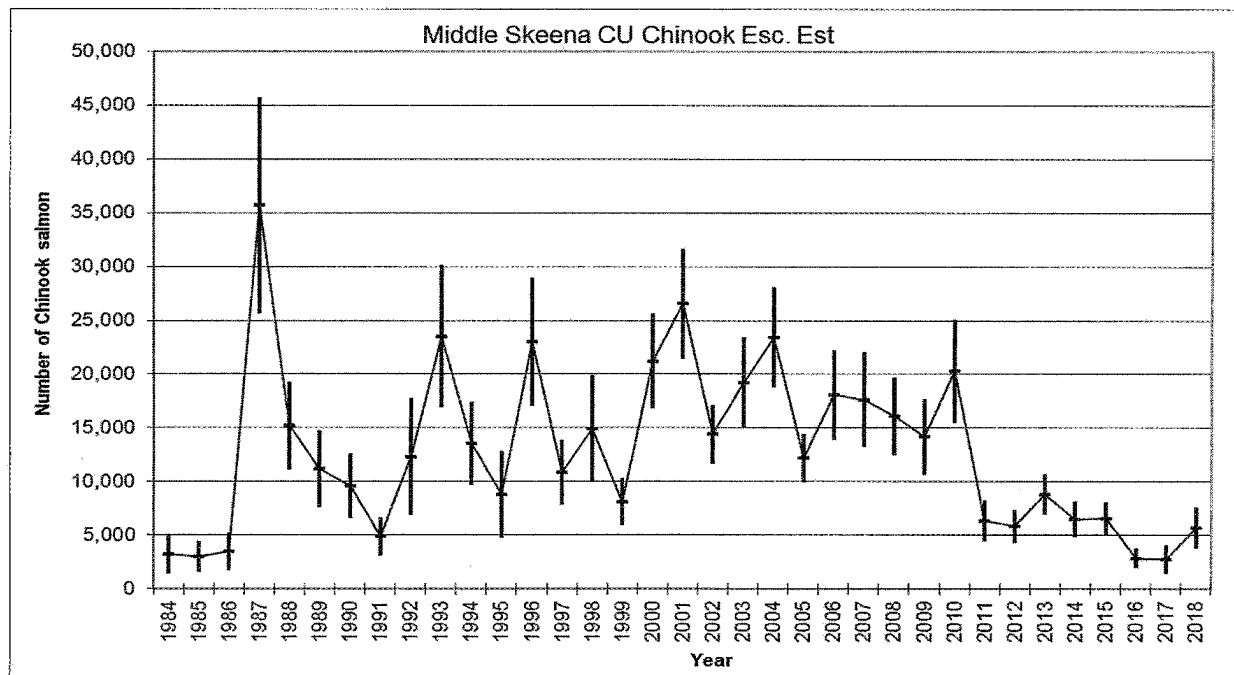


Figure 8. Middle Skeena Chinook CU escapements estimated with genetic stock identification techniques (lines +/- 1 standard deviation).

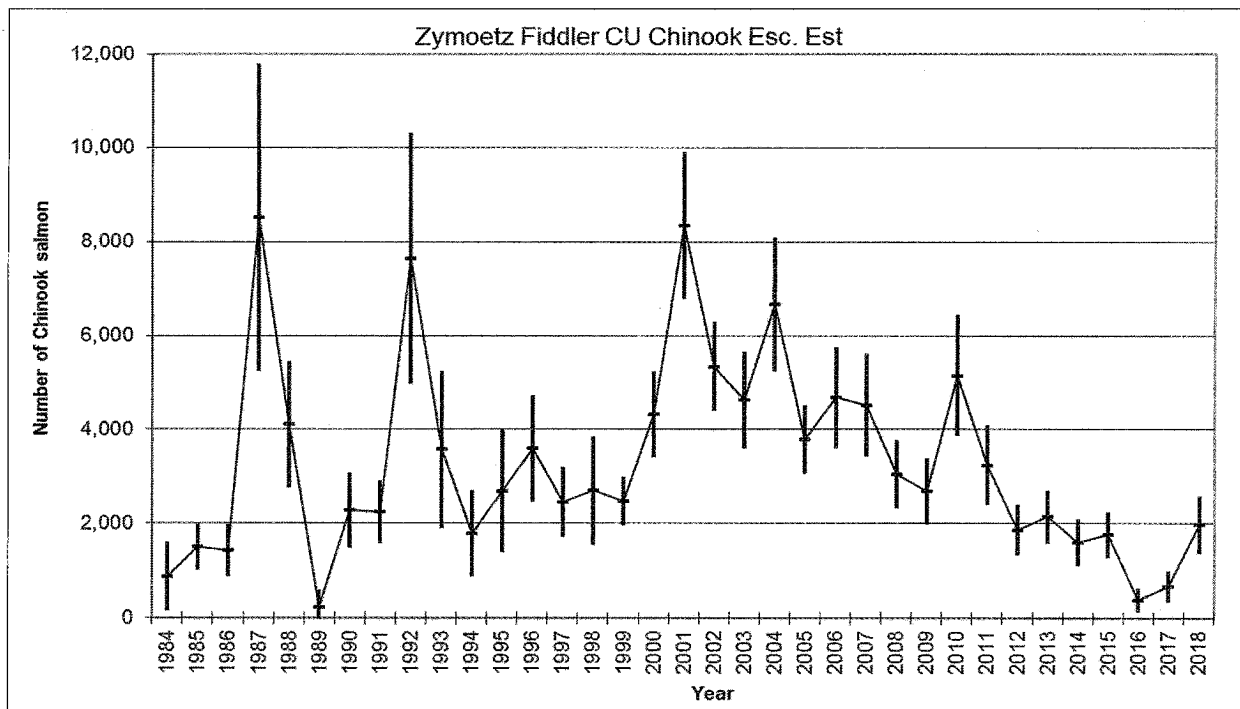


Figure 9. Zymoetz - Fiddler Chinook CU escapements estimated with genetic stock identification techniques (lines +/- 1 standard deviation).

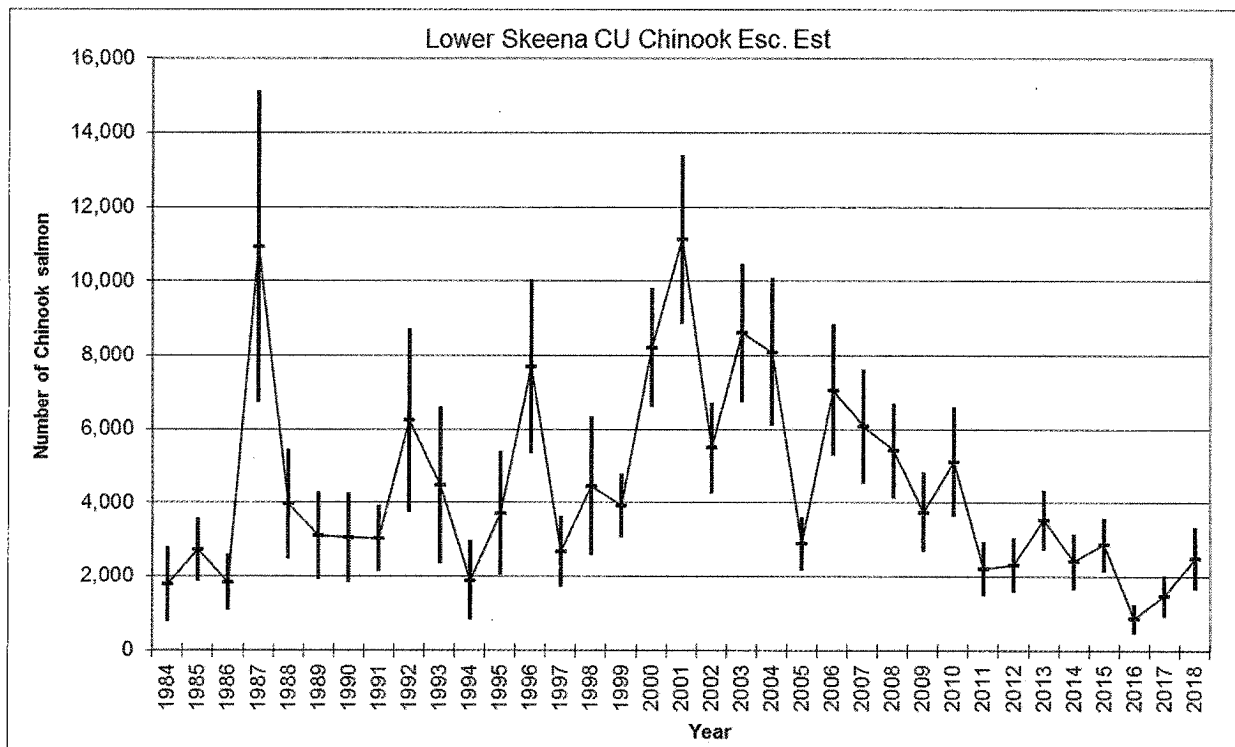


Figure 10. Lower Skeena Chinook CU escapements estimated with genetic stock identification techniques (lines +/- 1 standard deviation).

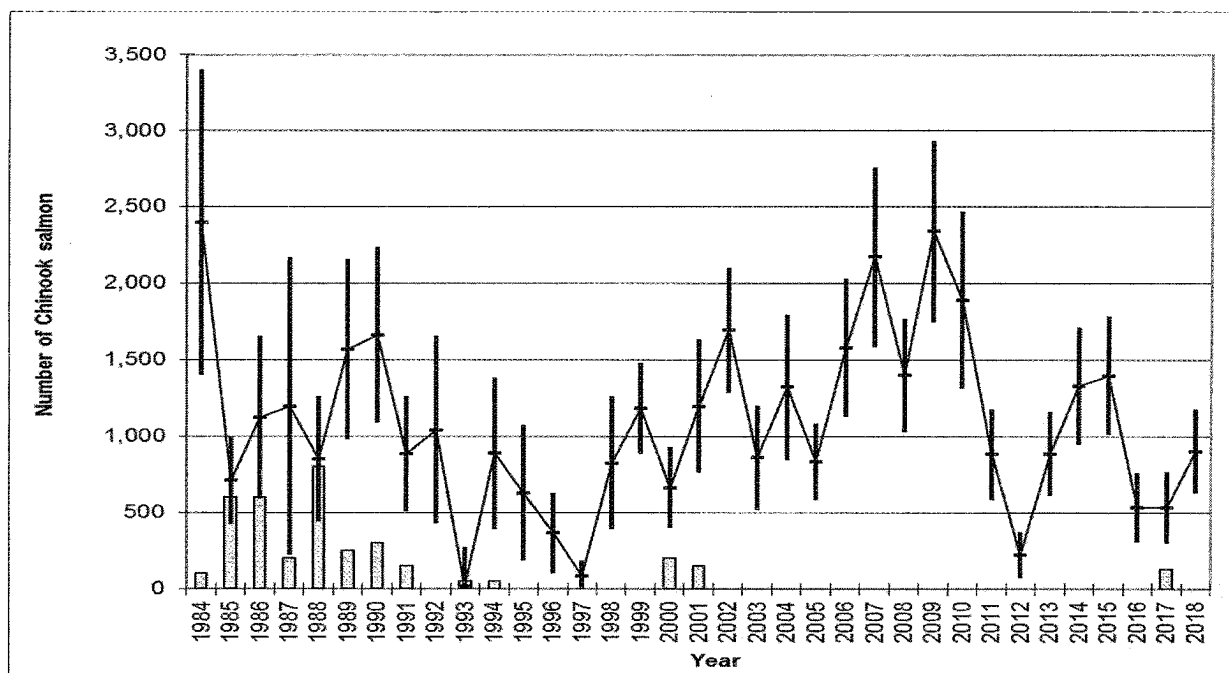


Figure 11. Ecstall Chinook CU escapements estimated with genetic stock identification techniques (lines +/- 1 standard deviation) compared with escapements from visual methods (bars).

Ecstall Chinook escapement estimates generated using the GSI technique are presented for comparison only, since the assumption of equal probability of capture in the Tyee Test fishery is violated as the Ecstall River is downstream of Tyee. The Visual estimate was 130 Chinook in 2017.

Table 3. Visual escapement estimates from the Bear, Babine and Morice river Chinook salmon populations that make up the Large Lake Chinook CU, 1984 – 2018.

Year	MORICE	BABINE	BEAR	Large Lake CU
1984	4,500	1,700	12,000	18,200
1985	11,300	822	21,500	33,622
1986	15,000	378	17,000	32,378
1987	10,000	866	7,200	18,066
1988	12,000	2,049	14,000	28,049
1989	10,200	1,983	12,500	24,683
1990	12,000	1,603	10,000	23,603
1991	25,500	1,043	5,500	32,043
1992	16,000	1,681	10,500	28,181
1993	18,000	1,290	23,000	42,290
1994	NA	435	NA	NA
1995	10,500	493	9,500	20,493
1996	30,000	2,893	19,000	51,893
1997	18,000	1,621	9,500	29,121
1998	14,000	3,140	8,500	25,640
1999	17,000	1,476	6,000	24,476
2000	17,000	4,370	10,000	31,370

2001	18,000	5,958	12,000	35,958
2002	7,500	3,432	2,500	13,432
2003	10,000	5,023	6,000	21,023
2004	4,500	2,667	6,000	13,167
2005	6,000	1,874	1,400	9,274
2006	10,000	3,490	1,700	15,190
2007	8,000	2,131	1,000	11,131
2008	9,000	2,363	8,000	19,363
2009	12,082	4,550	8,597	25,229
2010	11,897	6,141	6,646	24,684
2011	16,482	4,764	1,638	22,884
2012	17,441	2,218	3,066	22,725
2013	9,321	2,223	2,668	14,212
2014	9,047	3,103	4,582	16,732
2015	16,282	3,428	4,711	24,421
2016	16,569	3,453	1,842	21,864
2017	3,388	1,106	1,328	5,822
2018	14,700	4,608	2,681	21,989

Wong, Eva

From: Winther, Ivan
Sent: April-16-19 10:46 AM
To: Masson, Colin; Davies, Shaun; Davies, Sandra
Subject: FW: URGENT: Chinook Stock List - Fraser run timing Area F troll
Attachments: Fraser Run timing in Area F troll memo 2- Winther 15April2019.docx

Fraser run timing in Area F troll memo to John Holmes.
Fyi. Ivan

From: Winther, Ivan
Sent: 2019-April-15 3:19 PM
To: Holmes, John <John.Holmes@dfo-mpo.gc.ca>; Thiess, Mary <Mary.Thiess@dfo-mpo.gc.ca>; Brown, Gayle <Gayle.Brown@dfo-mpo.gc.ca>; Parken, Chuck <Chuck.Parken@dfo-mpo.gc.ca>; Velez-Espino, Antonio <Antonio.Velez-Espino@dfo-mpo.gc.ca>; Wor, Catarina <Catarina.Wor@dfo-mpo.gc.ca>
Subject: RE: URGENT: Chinook Stock List - Fraser run timing Area F troll

Hi John,
Sorry for the second edition but this version includes data for North Thompson and Lower Thompson stock groups as suggested by Chuck. I included Chilko because we ran it out of interest for the CWT indicator – but only 5 Chilko fish in the data.
Regards,
Ivan

From: Winther, Ivan
Sent: 2019-April-15 2:05 PM
To: Holmes, John <John.Holmes@dfo-mpo.gc.ca>; Thiess, Mary <Mary.Thiess@dfo-mpo.gc.ca>; Brown, Gayle <Gayle.Brown@dfo-mpo.gc.ca>; Parken, Chuck <Chuck.Parken@dfo-mpo.gc.ca>; Velez-Espino, Antonio <Antonio.Velez-Espino@dfo-mpo.gc.ca>; Wor, Catarina <Catarina.Wor@dfo-mpo.gc.ca>
Subject: RE: URGENT: Chinook Stock List - Fraser run timing Area F troll

Hi John,
Please find attached a memo with the troll data and some run timing information. Note that I used the sport data to inform the timing through Area 1. I did this because the data from troll fisheries is very sparse for the early part of the year. Also, the troll fishery doesn't sample the passing fish consistently, rather catching a large amount of the fish in the area with significant fish-down effects.
Let me know if you would like to have additional stock groups run.
Regards,
Ivan

Ivan Winther
Fisheries Biologist, Stock Assessment
Fisheries & Oceans Canada
417 – 2nd Ave. West, Prince Rupert
BC, Canada, V8J-1G8
Ivan.Winther@dfo-mpo.gc.ca
250-627-3459

From: Holmes, John <John.Holmes@dfo-mpo.gc.ca>
Sent: 2019-April-12 10:02 AM
To: Thiess, Mary <Mary.Thiess@dfo-mpo.gc.ca>; Brown, Gayle <Gayle.Brown@dfo-mpo.gc.ca>; Parken, Chuck

<Chuck.Parken@dfo-mpo.gc.ca>; Velez-Espino, Antonio <Antonio.Velez-Espino@dfo-mpo.gc.ca>; Wor, Catarina
<Catarina.Wor@dfo-mpo.gc.ca>; Winther, Ivan <Ivan.Winther@dfo-mpo.gc.ca>
Cc: Luedke, Wilf <Wilf.Luedke@dfo-mpo.gc.ca>
Subject: URGENT: Chinook Stock List

All,

As a result of Ministerial briefings on 2019 Chinook measures, the Minister's office has requested a list of all Chinook stocks and their health (status) in BC. For southern BC, I think we look to provide PST status (abundance based), WSP status (where available) and COSEWIC status (where available). For WCVI and NBC I expect we will provide PST abundance category unless there is another metric that can be used.

Ivan – MINO is also asking for information on the timing of Fraser stocks of concern as they move through the Area F fishery (and Area G – Bryan Rusch has developed some information) to support a closure decision until those stocks are clear of the fishery. Please put together a memo with the timing information.

NOTE: MINO is asking for this information by the end of the day today. Hence I need your responses as soon as possible. Please let me know when I can expect the required information.

John

John Holmes, Ph.D.

Division Manager, Stock Assessment and Research Division, Pacific Biological Station
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Fisheries
and Oceans

Pêches
et Océans

MEMORANDUM

NOTE DE SERVICE

To
À

John Holmes

From
De

Ivan Winther, Stock Assessment
North Coast

Security Classification - Classification de sécurité UNCLASSIFIED
Our file - Notre référence
Your File - Votre référence
Date April 15, 2019

Subject
Object **Fraser River Chinook run timing through the Area F Troll fishery.**

Please find below some run timing results as well as an explanation of the approach used to assess Fraser River Chinook run timing through the Area F Troll fishing area.

Management measures for the Northern British Columbia (NBC) troll fishery have been largely directed at controlling the exploitation of West coast of Vancouver Island (WCVI) Chinook salmon (Table 1.). Genetic approaches have been effective at minimizing impacts on WCVI Chinook salmon while identifying fishing opportunities in this mixed stock fishery (Winther & Beacham, 2006, 2009, Beacham et.al. 2008). More recently the data have been used to inform managers on the impacts of other stocks of concern like Fraser, Nass and Skeena Chinook stocks. Genetic stock identification (GSI) data have been used to estimate the impacts of the NBC troll fishery on stocks of Chinook salmon since 2002 (Table 2 and Table 3). Coded wire tag (CWT) data still form the basis for cohort analyses and measurement of exploitation rates post-season while genetic data allow for more precise estimation of fishery impacts in-season.

The NBC troll fishery produces very high quality catch data. Chinook landings have been validated by a third party contractor since 2005. The validated landings are highly correlated with the logbook data reported to the Fisheries Operating System (FOS) (>95% reporting rate). The data include daily Chinook catch and effort data that are specific to the vessel and area. CWT sampling and genetic sampling are conducted by the same contractor, J.O. Thomas and Associates.

The Area F Troll fishery catch sample data represent a rich source of information but it is difficult to assess timing for any particular stock through the fishing area from the data. The fishery is relatively brief and the conduct of the troll fishery is not consistent. It is typical for the fishery to start and stop on different dates annually (Table 4). Further, an individual transferrable quota (ITQ) system has changed the conduct of the fishery. Most vessels try to catch all of their quota early in the opening and it is common for effort to decline as the fishery progresses.

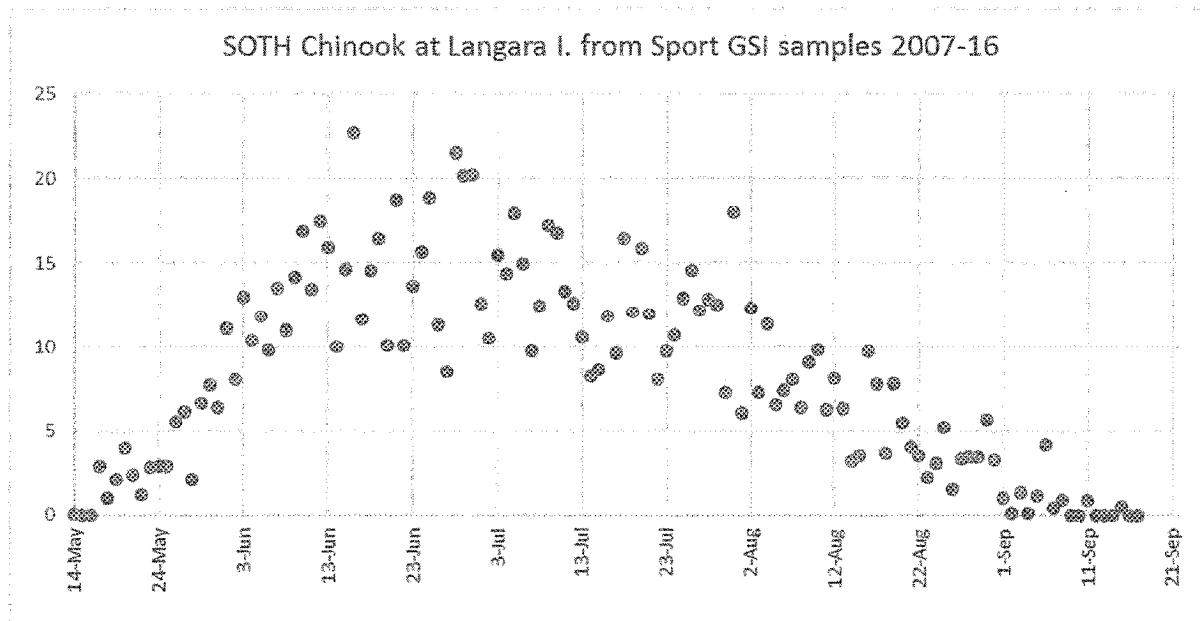
The Haida Gwaii Sport fishery is conducted primarily from sport lodges and over 85% of the Chinook catch is associated with lodges. Lodges make up over 90% of the sport catch in Area 1

and over 75% of the catch in Area 2W. All lodges participate in a logbook program where a census of the daily catch is provided to the DFO fishery manager. These data in combination with Haida Creel survey data and iREC data provide data with very low uncertainty around the catch estimates.

Genetic data have been collected from the Sport fishery in Area 1 since 2004. Most of the sampling has been on a voluntary basis from lodges. The fishery operates from mid May to mid September and because the fishery and the sampling are continuous the data are more informative with respect to run timing. To determine Chinook stock timing through Area 1 we examined 6,922 fish sampled over 10 years, 2007 to 2016, and plotted the number of fish identified in the samples by stock or stock group against the dates the samples were collected (units for the X axes are numbers of fish). Note that the Chinook GSI stock groups are not the same as the conservation units, or groups of conservation units.

SOUTH THOMPSON:

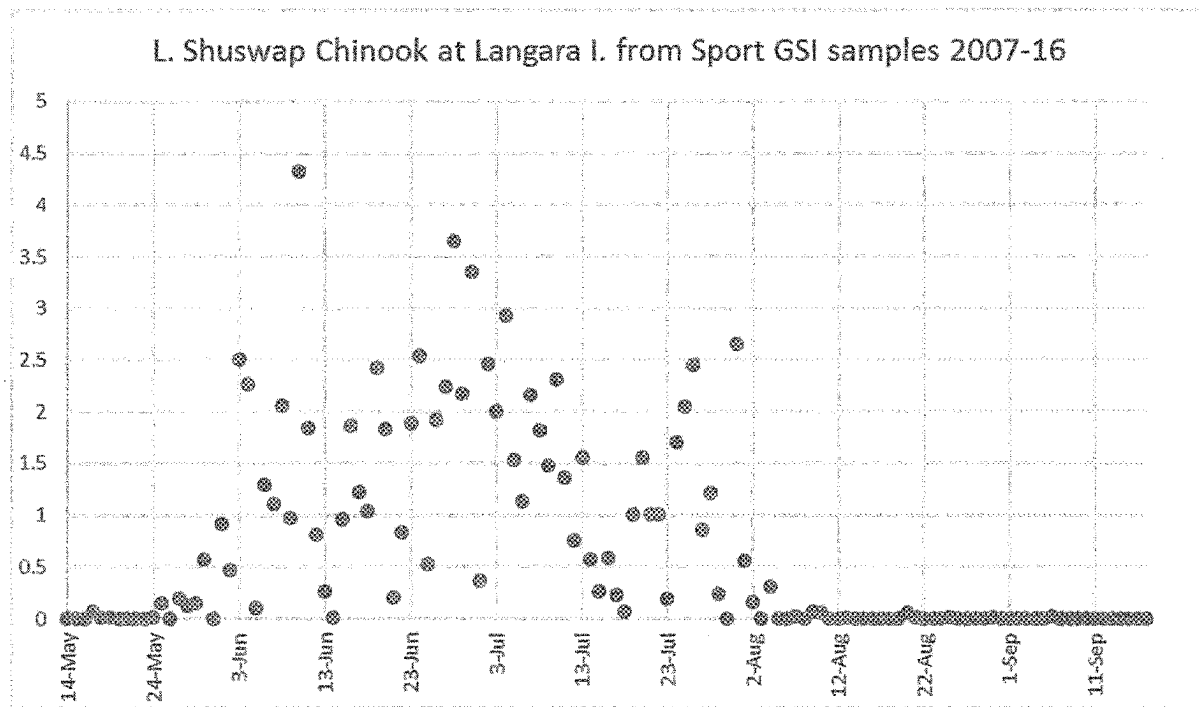
The South Thompson (SOTH) represents the most abundant Chinook salmon stock group from the Fraser River caught in the Area F troll fishery. The SOTH data are rich with 1,071 fish identified in the 10 year sport sample of 6,922 fish. The temporal distribution of SOTH in Area 1 is broad from May to September. The 10% and 90% passage dates are June 6 and August 12 respectively. The mean run timing is July 7 but the distribution is skewed so the peak of the run is near the end of June. The late tail of the run is longer than the early tail of the run. The results of the sport data are consistent with our experience in the troll fishery and we have used this knowledge of the dilution effect by SOTH fish on other weak stocks like WCVI and positioned NBC troll fisheries near the peak of the SOTH run timing.



LOWER SHUSHWAP:

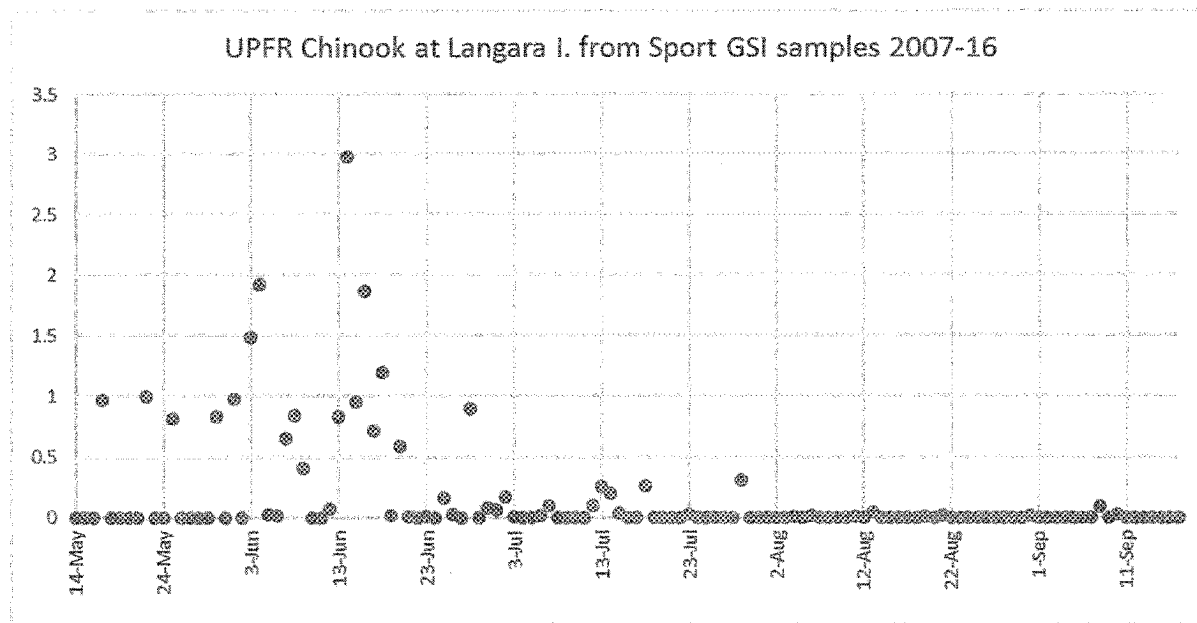
The Lower Shuswap (LSHU) River is the Fraser River summer ocean type age 4₁ indicator stock. When we subsample the data to include assignments to LSHU the temporal distribution is narrower than SOTH, from the beginning of June to the end of July. The data are sparse with

only 90 fish assigned to this stock across the 10 years of sport samples. The 10% and 90% passage dates are June 6 and July 25 respectively. The mean run timing is June 30. Very few fish are observed in August.



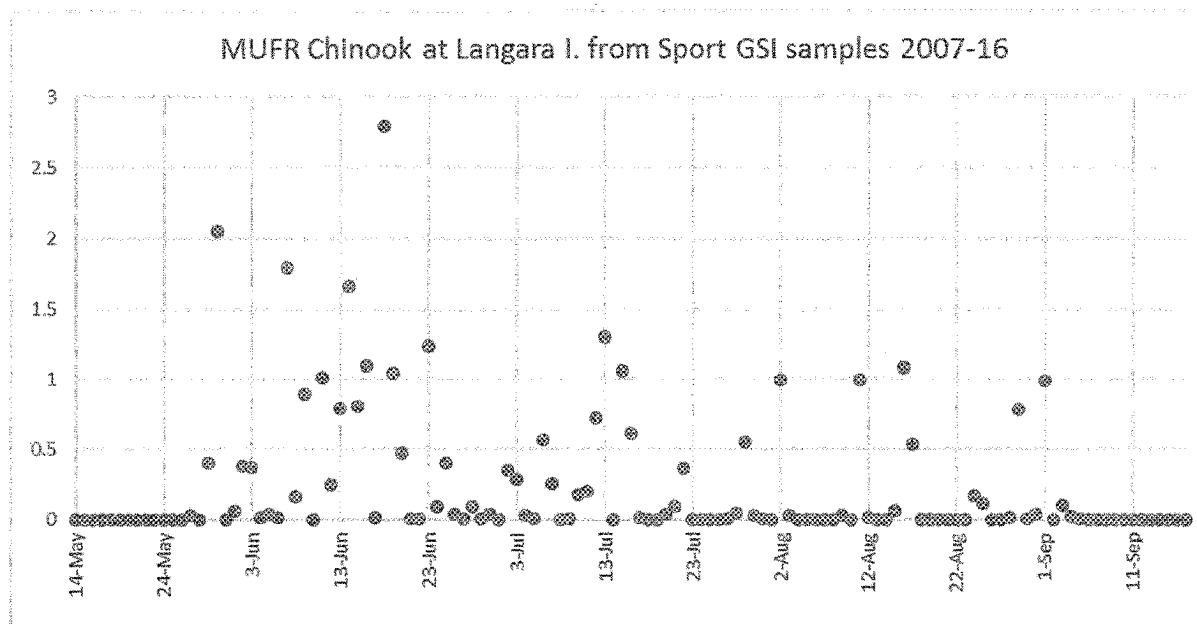
UPPER FRASER:

The Upper Fraser (UPFR) stock group makes a small contribution to the Area F troll fishery catch due to low abundance and early timing. The UPFR data are sparse with only 22 fish identified in the 10 year sport sample of 6,922 fish. The temporal distribution is toward the beginning of the sample period. The 10% and 90% passage dates are May 23 and June 26 respectively. The mean run timing is June 12 but the distribution suggests that the sport sample which starts in mid May misses the beginning of the UPFR run timing through Area 1. No UPFR Chinook were encountered after June 28.



MIDDLE UPPER FRASER:

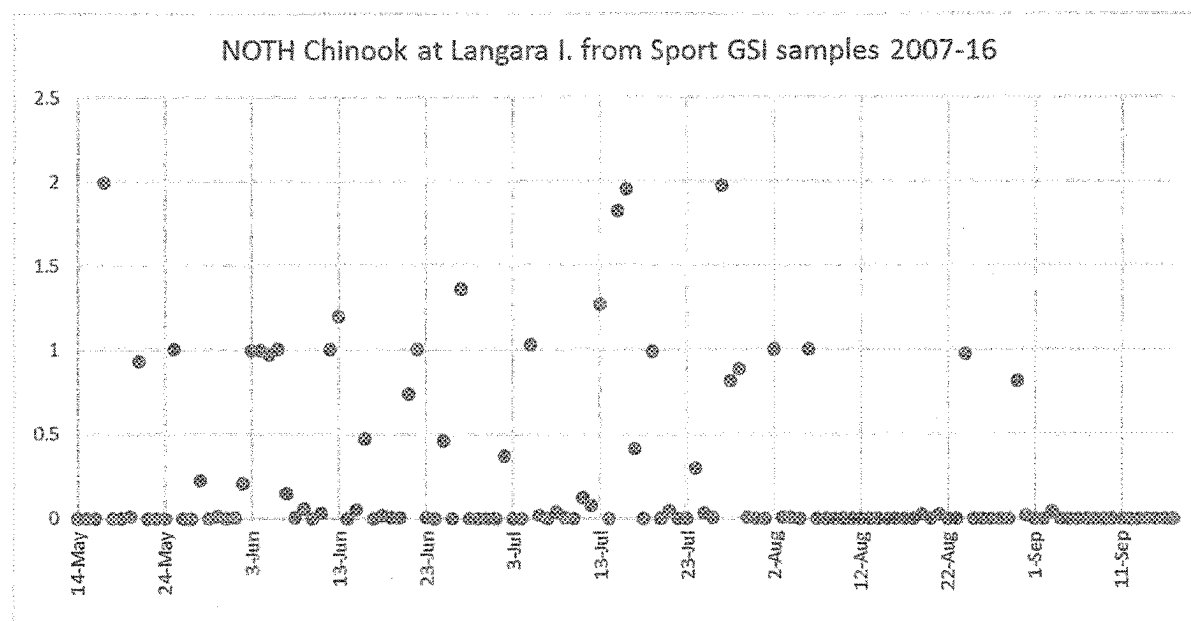
The Middle Upper Fraser (MUFR) stock group makes a small contribution to the Area F troll fishery catch due to low abundance. The MUFR data are sparse with only 31 fish identified in the 10 year sport sample of 6,922 fish. The temporal distribution is toward the beginning of the sample period with a long late tail. The 10% and 90% passage dates are June 3 and August 19 respectively. The mean run timing is July 2.



NORTH THOMPSON:

The North Thompson (NOTH) stock group makes a small contribution to the Area F troll fishery catch due to low abundance. The NOTH data are sparse with only 31 fish identified in the 10 year sport sample of 6,922 fish. The temporal distribution is toward the beginning of the sample

period with a long late tail. The 10% and 90% passage dates are 25 and August 3 respectively. The mean run timing is July 2.



LOWER THOMPSON:

The Lower Thompson (LWTH) stock group is rare in the Area F troll fishery catch. The LWTH sport timing data consist of only 4 fish identified in the 10 year sport sample of 6,922 fish. One LWTH fish was caught on June 7, two on June 8 and one on June 15.

CHILKO:

The Chilko Chinook stock is considered here because it was a stock of interest to develop a CWT indicator stock. They are rare in the samples with only 5 fish present, one each on May 30, June 9 and July 13, and 2 fish on June 18.

References:

- Beacham, T.D., I. Winther, K.L. Jonsen, M. Wetklo, L. Deng and J.R. Candy. 2008. The application of rapid microsatellite-based stock identification to management of a Chinook salmon troll fishery off the Queen Charlotte Islands, British Columbia. *North American Journal of Fisheries Management* 28:849-855.
- Winther, I., and T.D. Beacham. 2006. The application of Chinook salmon stock composition data to management of the Queen Charlotte Islands troll fishery, 2002 to 2005. *Can. Tech. Rep. Fish. Aquat. Sci.* 2665: vii + 88 p.
- Winther, I., and T. D. Beacham. 2009. Application of Chinook salmon stock composition data for management of the Northern British Columbia troll fishery, 2006. Pages 977 - 1004 in C. C. Krueger, and C. E. Zimmerman, editors. *Pacific Salmon: ecology and management of western Alaska's populations*. American Fisheries Society, Symposium 70, Bethesda, Maryland.

Table 1. Landed catch of Chinook salmon by the NBC Troll and QCI sport fisheries with Canadian management objectives and PST allocations, 1995 to 2018.

Year	PST ¹ Preseason AABM Ceiling	Total ² PST Catch	Canadian Domestic NBC Troll Ceiling	Ceiling Objective	Actual NBC Troll Catch (Areas 1to5) ³	QCI Sport Catch
1995	*	119,000	60,000	Conservation of WCVI chinook.	56,863	22,531
1996	*	27,000	0	Maximum protection of WCVI chinook.	15	670
1997	*	167,000	85,000 before September.	Reduced ER on WCVI chinook	86,787	27,738
1998	*	180,000	110,000 before September.	Reduce pre-1995 Canadian ER on WCVI chinook by 50%. Protect Skeena & Thompson coho.	116,407	34,130
1999	145,600	75,128	50,000 before September.	Reduce pre-1995 Canadian ER on WCVI chinook by 50%	44,572	30,227
2000	130,000	32,048	0 before September.	Protect WCVI chinook. Determine chinook stock composition in September	9,948	22,100
2001	132,600	43,500	0 before September.	<5% ER on WCVI chinook in Canada	13,100	30,400
2002	192,700	150,137	3,052 WCVI chinook ⁴	<10% ER in Canada. <1.5% ER by NBC troll	103,517	47,100
2003	197,100	191,657	6,811 WCVI chinook ⁵	10 to 15% ER in Canada. <number of chinook caught in 2002	137,357	54,300
2004	243,600	241,508	7,800 WCVI chinook ⁴	<15% ER in Canada <3.3% ER by NBC troll	167,508	74,000
2005	246,600	243,606	11,600 WCVI chinook ⁴	<15% ER in Canada ⁶ <3.3% ER by NBC troll	174,806	68,800
2006	223,200	215,985	6,344 WCVI chinook ⁴	<10% ER in Canada <-3.0% ER by NBC troll approximated by 3.2% HR on the return of WCVI Chinook to Canada	151,485	64,500
2007	178,000	144,235	6,827 WCVI chinook ⁴	Same as 2006.	83,235	61,000
2008	124,800	95,647	3,254 WCVI chinook ⁴	Same as 2006.	52,147	43,500
2009	143,000	109,470	2,860 WCVI chinook ⁴	Same as 2006.	75,470	34,000
2010	152,100	136,613	2,600 WCVI chinook ⁴	The IFMP was revised to call the target 3.2% of the relative portion for named fisheries of NBC Troll, QCI sport, WCVI sport and WCVI troll. (PR & CC sport excluded)	90,213	46,400
2011	182,400	122,660	3,477 WCVI chinook ⁴	Same as 2010.	74,660	48,000
2012	173,600	120,306	3,150 WCVI chinook ⁴	Same as 2010.	80,256	40,050
2013	143,000	115,914	1,800 WCVI chinook ⁴	Same as 2010.	69,264	46,650
2014	290,300	216,901	3.2% of WCVI RTC	Same as 2010.	172,001	44,900
2015	160,400	158,903	3.2% of WCVI RTC	Same as 2010.	106,703	52,200
2016	248,000	190,181	3.2% of WCVI RTC	Same as 2010.	147,381	42,800
2017	149,500	143,330	3.2% of WCVI RTC	Same as 2010.	97,730	45,600
2018	131,300	106,976	3.2% of WCVI RTC	Same as 2010 for WCVI plus management actions to protect early Fraser and NBC stock and a 25 to 35% harvest reduction on Chinook overall	70,276	36,700
2019	124,800		25-35% CN reduction			

¹ From 1993-1998, no formal agreement on catch limits was in place. In 1993 and 1994, Canada chose to fish to the pre-1993 ceiling; conservation concerns from 1995-1998 kept Canada's harvest well below this ceiling. Since 1999, catch allowance were developed annually through an abundance based management approach.

² Before 1999 catch includes Areas 1 to 10. Since 1999, catch reported includes only NBC troll landings in Areas 1 to 5 and QCI sport landings in Areas 1 and 2.

³ Area 1 to 5 troll data from fish slips up to 2000 then from combined hails & slips thereafter.

⁴ Ceiling calculated based on forecasted return and expected Alaskan harvest.

⁵ Ceiling based on same number of WCVI Chinook caught by the NBC Troll fishery in 2002.

⁶ The 2005 NBC Troll plan was developed with a pre-season management objective described as a maximum of 15% exploitation rate (ER) on WCVI by Canadian marine fisheries that was revised to 10% ER without adjustment to the 2005 troll fishery.

Table 2. NBC Troll catch by stock from Genetic Stock Identification 2007-2018.

Year	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
NBC AABM Troll Licences	283	278	268	263	260	262	258	241	238	238	241	241
NBC AABM Troll Catch*	83,235	52,147	75,470	90,213	74,660	80,256	69,264	172,001	106,700	147,381	97,730	70,276
DNA analyzed (Σ N)	1,326	1,569	2,129	1,875	1,734	2,875	1,337	2,155	1,897	2,271	2,071	1,931
DNA baseline size	268	268	268	281	300	298	310	310	296	295	302	303
Region	Total	Total	Total	Total	Total	Total	Total	Total	Total	Total	Total	Total
UPFR	458 (270)	135 (118)	239 (119)	449 (178)	77 (87)	64 (70)	129 (91)	184 (116)	232 (174)	215 (164)	150 (119)	56 (64)
MUFR	1,201 (392)	1,002 (237)	1,413 (281)	977 (282)	291 (180)	420 (192)	356 (171)	2,202 (351)	871 (328)	854 (288)	752 (256)	475 (156)
WFR-F	378 (191)	92 (76)	295 (130)	72 (73)	352 (180)	37 (51)	1,422 (494)	723 (399)	156 (142)	248 (157)	140 (81)	435 (145)
NOTH	861 (294)	1,006 (248)	945 (229)	567 (194)	672 (215)	890 (236)	587 (194)	610 (180)	797 (287)	510 (235)	433 (172)	308 (119)
SOTH	28,120 (1166)	22,441 (740)	17,648 (740)	38,459 (1075)	19,442 (848)	18,018 (784)	13,626 (786)	25,906 (852)	20,805 (1109)	27,334 (1376)	30,881 (1057)	13,202 (614)
LWTH	29 (70)	26 (29)	101 (80)	129 (95)	3 (29)	72 (56)	1 (22)	269 (85)	321 (174)	71 (78)	0 (22)	0 (24)
ECVI	1,665 (390)	713 (182)	1,052 (231)	1,052 (256)	397 (203)	805 (207)	281 (135)	619 (157)	496 (285)	881 (264)	1,366 (355)	1,152 (227)
WCVI	8,049 (698)	1,602 (267)	2,685 (324)	3,361 (419)	5,318 (489)	2,905 (332)	2,897 (387)	6,562 (422)	1,128 (301)	3,842 (501)	4,578 (465)	7,643 (532)
SOMN	361 (213)	16 (45)	411 (157)	41 (75)	272 (193)	483 (151)	206 (125)	451 (175)	81 (175)	150 (110)	590 (192)	74 (72)
NOMN	1,154 (377)	689 (220)	1,635 (330)	1,768 (389)	1,479 (341)	1,572 (290)	1,515 (312)	2,510 (328)	1,285 (342)	1,863 (385)	1,550 (341)	846 (205)
NASS	588 (287)	45 (63)	274 (139)	268 (171)	383 (167)	422 (143)	180 (140)	84 (37)	424 (218)	81 (89)	49 (56)	147 (93)
LWFR-Sp	206 (118)	39 (36)	0 (14)	179 (112)	46 (59)	109 (88)	0 (15)	126 (56)	17 (42)	113 (83)	210 (111)	0 (16)
LWFR-Su	107 (78)	78 (48)	232 (100)	91 (67)	30 (37)	159 (81)	191 (115)	240 (58)	212 (152)	1 (23)	40 (41)	40 (42)
OCI	1,204 (269)	208 (95)	329 (113)	463 (148)	91 (68)	196 (88)	121 (85)	626 (152)	108 (91)	87 (64)	48 (50)	303 (103)
Alaska	22 (70)	35 (40)	12 (39)	28 (63)	7 (33)	7 (36)	0 (18)	78 (82)	2 (29)	110 (75)	39 (78)	86 (73)
Taku	44 (93)	12 (37)	79 (138)	49 (97)	712 (368)	14 (46)	42 (80)	163 (222)	19 (66)	76 (105)	50 (85)	34 (61)
Stikine	482 (277)	194 (163)	362 (202)	195 (136)	31 (66)	421 (169)	95 (107)	112 (130)	79 (112)	119 (172)	68 (99)	387 (180)
Skeena	4,000 (828)	1,357 (420)	3,313 (587)	1,826 (560)	1,484 (435)	2,256 (237)	1,457 (650)	1,978 (391)	2,035 (687)	1,445 (470)	1,152 (305)	1,002 (240)
Alesek	3 (33)	25 (42)	32 (34)	0 (16)	0 (19)	1 (23)	1 (20)	1 (20)	1 (25)	1 (32)	31 (39)	624 (208)
Unuk_River	87 (172)	236 (139)	528 (213)	171 (109)	50 (87)	619 (184)	349 (170)	948 (198)	506 (230)	1,248 (350)	1,390 (296)	1,487 (256)
Puget_Sound	996 (311)	214 (109)	623 (178)	171 (109)	45 (50)	1 (10)	84 (64)	4 (25)	44 (45)	63 (66)	253 (139)	115 (67)
Juan_de_Fuca	33 (70)	1 (10)	61 (54)	0 (10)	5,453 (4898)	11,905 (705)	5,690 (610)	16,700 (797)	11,962 (1090)	11,340 (958)	7,998 (674)	12,485 (683)
Coastal_Wash	3,049 (595)	3,631 (521)	5,668 (675)	7,543 (726)	870 (305)	1,644 (296)	378 (185)	4,998 (471)	3,116 (558)	5,571 (718)	2,161 (388)	2,007 (285)
Low_Col	1,050 (314)	746 (207)	1,234 (250)	905 (304)	870 (305)	0 (17)	0 (15)	183 (83)	8 (27)	1 (27)	0 (16)	4 (20)
Up_Col-Sp	1 (34)	7 (18)	0 (15)	10 (34)	2 (22)	0 (17)	0 (15)	183 (83)	8 (27)	1 (27)	0 (16)	4 (20)
Up_Col-Su/F	9,127 (833)	8,686 (588)	15,890 (801)	10,482 (812)	11,808 (810)	17,626 (819)	21,812 (951)	76,153 (1240)	44,631 (1459)	47,517 (1847)	20,173 (1042)	10,544 (640)
Snake-Sp/Su	165 (171)	134 (153)	22 (57)	322 (256)	2,186 (4305)	6 (37)	232 (374)	5,351 (748)	73 (204)	180 (119)	18 (40)	251 (129)
Snake-F	1,510 (453)	1,018 (292)	2,556 (504)	1,267 (471)	2,366 (471)	773 (341)	553 (321)	2,952 (357)	808 (594)	8,229 (1178)	4,194 (678)	1,512 (345)
North_& Central_O	13,058 (1003)	5,711 (592)	13,763 (1010)	13,614 (914)	16,462 (5155)	14,066 (780)	14,645 (929)	14,214 (661)	12,937 (1163)	29,985 (1534)	14,247 (904)	11,565 (703)
South_Oregon_coas	4,200 (675)	1,759 (412)	3,380 (629)	4,046 (594)	3,397 (559)	3,252 (448)	2,148 (475)	5,354 (492)	2,329 (589)	4,380 (806)	3,212 (574)	3,039 (408)
Klamath/Trinity	37 (65)	31 (68)	75 (66)	1 (15)	1 (18)	9 (32)	1 (18)	10 (33)	15 (38)	0 (24)	5 (28)	5 (27)
Mid_Col-Sp	239 (188)	57 (102)	12 (42)	98 (100)	108 (140)	188 (115)	2 (21)	8 (28)	22 (62)	76 (79)	58 (97)	35 (48)
Up_Willamette	723 (283)	92 (76)	608 (186)	1,758 (346)	820 (241)	1,304 (249)	213 (133)	1,675 (311)	1,134 (370)	735 (242)	1,776 (392)	406 (152)
Cent_Val-F	6 (57)	90 (77)	36 (60)	18 (54)	3 (32)	3 (32)	15 (48)	6 (30)	39 (83)	54 (100)	60 (64)	3 (29)
Cent_Val-Sp	24 (91)	17 (34)	1 (16)	1 (16)	2 (21)	10 (25)	1 (15)	0 (15)	7 (35)	0 (25)	56 (78)	2 (17)
Coastal_Californi	1 (16)	0 (8)	1 (11)	0 (8)	0 (7)	0 (11)	34 (51)	0 (9)	0 (10)	0 (12)	0 (8)	0 (14)
	83,235	52,147	75,470	90,213	74,660	80,256	69,264	172,001	106,700	147,381	97,730	70,276

Table 3. NBC Troll stock proportions from Genetic Stock Identification 2007-2018.

Year	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
NBC AABM Troll Licences	283	278	268	263	260	262	258	241	238	238	241	241
NBC AABM Troll Catch*	83,235	52,147	75,470	90,213	74,680	80,256	69,264	172,001	106,700	147,381	97,730	70,276
DNA analyzed (Σ N)	1,326	1,569	2,129	1,875	1,734	2,875	1,337	2,155	1,897	2,271	2,071	1,931
DNA baseline size	268	268	268	281	300	298	310	310	296	295	302	303
Region1	Total	STD	Total	STD	Total	STD	Total	STD	Total	STD	Total	STD
UPFR	0.6% (0.3%)	0.3% (0.2%)	0.3% (0.2%)	0.5% (0.2%)	0.1% (0.1%)	0.1% (0.1%)	0.2% (0.1%)	0.1% (0.1%)	0.2% (0.2%)	0.1% (0.1%)	0.2% (0.1%)	0.1% (0.1%)
MJFR	1.4% (0.5%)	1.9% (0.5%)	1.9% (0.4%)	1.1% (0.3%)	0.4% (0.2%)	0.5% (0.2%)	0.5% (0.2%)	1.3% (0.2%)	0.8% (0.3%)	0.6% (0.2%)	0.8% (0.3%)	0.7% (0.2%)
LWFR-F	0.5% (0.2%)	0.2% (0.1%)	0.4% (0.2%)	0.1% (0.1%)	0.5% (0.2%)	0.0% (0.1%)	2.1% (0.7%)	0.4% (0.2%)	0.1% (0.1%)	0.2% (0.1%)	0.1% (0.1%)	0.6% (0.2%)
NOTH	1.0% (0.4%)	1.9% (0.5%)	1.3% (0.3%)	0.6% (0.2%)	0.9% (0.3%)	1.1% (0.3%)	0.8% (0.3%)	0.4% (0.1%)	0.7% (0.3%)	0.3% (0.2%)	0.4% (0.2%)	0.4% (0.2%)
SOth	33.8% (1.4%)	43.0% (1.4%)	23.4% (1.0%)	42.6% (1.2%)	26.0% (1.1%)	22.5% (1.0%)	19.7% (1.1%)	15.1% (0.5%)	19.5% (1.0%)	18.5% (0.9%)	31.6% (1.1%)	18.8% (0.9%)
LWTH	0.0% (0.1%)	0.0% (0.1%)	0.1% (0.1%)	0.1% (0.1%)	0.0% (0.0%)	0.1% (0.1%)	0.0% (0.0%)	0.2% (0.0%)	0.3% (0.2%)	0.0% (0.1%)	0.0% (0.0%)	0.0% (0.0%)
ECVI	2.0% (0.5%)	1.4% (0.3%)	1.3% (0.3%)	1.2% (0.3%)	0.5% (0.3%)	1.0% (0.3%)	0.4% (0.2%)	0.4% (0.1%)	0.5% (0.3%)	0.6% (0.2%)	1.4% (0.4%)	1.6% (0.3%)
WCVI	9.7% (0.8%)	3.1% (0.5%)	3.6% (0.4%)	3.7% (0.5%)	7.1% (0.7%)	3.6% (0.4%)	4.2% (0.6%)	3.8% (0.2%)	1.1% (0.3%)	2.6% (0.3%)	4.7% (0.5%)	10.9% (0.8%)
SOMN	0.4% (0.3%)	0.0% (0.1%)	0.5% (0.2%)	0.0% (0.1%)	0.4% (0.3%)	0.6% (0.2%)	0.3% (0.2%)	0.3% (0.1%)	0.1% (0.2%)	0.1% (0.1%)	0.6% (0.2%)	0.1% (0.1%)
NOMN	1.4% (0.5%)	1.3% (0.4%)	2.2% (0.4%)	2.0% (0.4%)	2.0% (0.5%)	2.0% (0.4%)	2.2% (0.5%)	1.5% (0.2%)	1.2% (0.3%)	1.3% (0.3%)	1.6% (0.3%)	1.2% (0.3%)
NASS	0.7% (0.3%)	0.1% (0.1%)	0.4% (0.2%)	0.3% (0.2%)	0.5% (0.2%)	0.5% (0.2%)	0.3% (0.2%)	0.0% (0.0%)	0.0% (0.0%)	0.1% (0.1%)	0.2% (0.1%)	0.2% (0.1%)
LWFR-Sp	0.2% (0.1%)	0.1% (0.1%)	0.0% (0.0%)	0.2% (0.1%)	0.1% (0.1%)	0.1% (0.1%)	0.0% (0.0%)	0.1% (0.0%)	0.0% (0.0%)	0.1% (0.1%)	0.2% (0.1%)	0.0% (0.0%)
LWFR-Su	0.1% (0.1%)	0.1% (0.1%)	0.3% (0.1%)	0.2% (0.1%)	0.0% (0.1%)	0.2% (0.1%)	0.0% (0.0%)	0.1% (0.0%)	0.2% (0.1%)	0.0% (0.0%)	0.0% (0.0%)	0.1% (0.1%)
CCI	1.4% (0.3%)	0.4% (0.2%)	0.4% (0.1%)	0.5% (0.2%)	0.1% (0.1%)	0.2% (0.1%)	0.3% (0.2%)	0.4% (0.1%)	0.2% (0.1%)	0.1% (0.1%)	0.0% (0.0%)	0.1% (0.1%)
Alaska	0.0% (0.1%)	0.1% (0.1%)	0.0% (0.1%)	0.0% (0.1%)	0.0% (0.0%)	0.0% (0.0%)	0.0% (0.0%)	0.0% (0.0%)	0.0% (0.0%)	0.1% (0.1%)	0.0% (0.0%)	0.1% (0.1%)
Taku	0.1% (0.1%)	0.0% (0.1%)	0.1% (0.2%)	0.1% (0.1%)	1.0% (0.5%)	0.0% (0.1%)	0.1% (0.1%)	0.1% (0.1%)	0.0% (0.1%)	0.1% (0.1%)	0.1% (0.1%)	0.1% (0.1%)
Sitkine	0.6% (0.3%)	0.4% (0.3%)	0.5% (0.3%)	0.2% (0.2%)	0.0% (0.1%)	0.5% (0.2%)	0.1% (0.2%)	0.1% (0.1%)	0.1% (0.1%)	0.1% (0.1%)	0.1% (0.1%)	0.6% (0.3%)
Skeena	4.8% (1.0%)	2.6% (0.8%)	4.4% (0.8%)	2.0% (0.6%)	2.0% (0.6%)	2.8% (0.3%)	2.1% (0.9%)	1.1% (0.2%)	1.9% (0.6%)	1.0% (0.3%)	1.2% (0.3%)	1.4% (0.3%)
Aleak	0.0% (0.0%)	0.0% (0.1%)	0.0% (0.0%)	0.0% (0.0%)	0.0% (0.0%)	0.0% (0.0%)	0.0% (0.0%)	0.0% (0.0%)	0.0% (0.0%)	0.0% (0.0%)	0.0% (0.0%)	0.9% (0.3%)
Unuk_River	0.1% (0.2%)	0.5% (0.3%)	0.7% (0.3%)	0.2% (0.1%)	0.1% (0.1%)	0.8% (0.2%)	0.5% (0.2%)	0.6% (0.1%)	0.5% (0.2%)	0.8% (0.2%)	1.4% (0.3%)	2.1% (0.4%)
Puget_Sound	1.2% (0.4%)	0.4% (0.2%)	0.8% (0.2%)	0.2% (0.1%)	0.1% (0.1%)	0.0% (0.0%)	0.1% (0.1%)	0.0% (0.0%)	0.0% (0.0%)	0.0% (0.0%)	0.3% (0.1%)	0.2% (0.1%)
Juan_de_Fuca	0.0% (0.1%)	0.0% (0.0%)	0.1% (0.1%)	0.0% (0.0%)	0.1% (0.1%)	0.0% (0.0%)	0.1% (0.1%)	0.0% (0.0%)	0.0% (0.0%)	0.0% (0.0%)	0.3% (0.1%)	0.2% (0.1%)
Coastal_Wash	3.7% (0.7%)	7.0% (1.0%)	7.5% (0.9%)	8.4% (0.8%)	7.3% (6.6%)	14.8% (0.9%)	8.2% (0.9%)	9.7% (0.5%)	11.2% (1.0%)	7.7% (0.7%)	8.2% (0.7%)	17.8% (1.0%)
Low_Col	1.3% (0.4%)	1.4% (0.4%)	1.6% (0.3%)	1.0% (0.3%)	1.2% (0.4%)	2.0% (0.4%)	0.5% (0.3%)	2.9% (0.3%)	2.9% (0.5%)	3.8% (0.5%)	2.2% (0.4%)	2.9% (0.4%)
Up_Col-Sp	0.0% (0.0%)	0.0% (0.0%)	0.0% (0.0%)	0.0% (0.0%)	0.0% (0.0%)	0.0% (0.0%)	0.0% (0.0%)	0.1% (0.0%)	0.0% (0.0%)	0.0% (0.0%)	0.0% (0.0%)	0.0% (0.0%)
Up_Col-Su/F	11.0% (1.0%)	16.7% (1.1%)	21.1% (1.1%)	11.6% (0.9%)	15.8% (1.4%)	22.0% (1.0%)	31.5% (1.4%)	44.3% (0.7%)	41.8% (1.4%)	32.2% (1.3%)	20.6% (1.1%)	15.0% (0.9%)
Snake-Sp/Su	0.2% (0.2%)	0.3% (0.3%)	0.0% (0.1%)	0.4% (0.3%)	2.9% (5.8%)	0.0% (0.0%)	0.3% (0.5%)	3.1% (0.4%)	0.1% (0.2%)	0.1% (0.1%)	0.0% (0.0%)	0.4% (0.2%)
Snake-F	1.8% (0.5%)	2.0% (0.6%)	3.4% (0.7%)	1.4% (0.5%)	3.2% (6.6%)	1.0% (0.4%)	0.8% (0.5%)	1.7% (0.2%)	0.8% (0.6%)	5.6% (0.8%)	4.3% (0.7%)	2.2% (0.5%)
North_& Central_O	15.7% (1.2%)	11.0% (1.1%)	18.2% (1.3%)	15.1% (1.0%)	22.0% (6.9%)	17.5% (1.0%)	21.1% (1.3%)	8.3% (0.4%)	12.1% (1.1%)	20.3% (1.0%)	14.6% (0.9%)	16.5% (1.0%)
South_Oregon_coas	5.0% (0.8%)	3.4% (0.8%)	4.5% (0.8%)	4.5% (0.7%)	4.5% (0.7%)	4.1% (0.6%)	3.1% (0.7%)	3.1% (0.3%)	2.2% (0.6%)	3.0% (0.5%)	3.3% (0.6%)	4.3% (0.6%)
Klamath/Trinity	0.0% (0.1%)	0.1% (0.1%)	0.1% (0.1%)	0.0% (0.0%)	0.0% (0.0%)	0.0% (0.0%)	0.0% (0.0%)	0.0% (0.0%)	0.0% (0.0%)	0.0% (0.0%)	0.0% (0.0%)	0.0% (0.0%)
Mid_Col-Sp	0.3% (0.2%)	0.1% (0.2%)	0.0% (0.1%)	0.1% (0.1%)	0.1% (0.2%)	0.2% (0.1%)	0.0% (0.0%)	0.0% (0.0%)	0.0% (0.1%)	0.1% (0.1%)	0.1% (0.1%)	0.0% (0.1%)
Up_Willamette	0.9% (0.3%)	0.3% (0.2%)	0.8% (0.2%)	1.9% (0.4%)	1.1% (0.3%)	1.6% (0.3%)	0.3% (0.2%)	1.0% (0.2%)	1.1% (0.3%)	0.5% (0.2%)	1.8% (0.4%)	0.6% (0.2%)
Cent_Val-F	0.0% (0.1%)	0.2% (0.1%)	0.0% (0.1%)	0.0% (0.1%)	0.0% (0.0%)	0.0% (0.0%)	0.0% (0.1%)	0.0% (0.0%)	0.0% (0.1%)	0.0% (0.1%)	0.1% (0.1%)	0.0% (0.0%)
Cent_Val-Sp	0.0% (0.1%)	0.0% (0.1%)	0.0% (0.0%)	0.0% (0.0%)	0.0% (0.0%)	0.0% (0.0%)	0.0% (0.0%)	0.0% (0.0%)	0.0% (0.0%)	0.0% (0.0%)	0.1% (0.1%)	0.0% (0.0%)
Coastal_Californi	0.0% (0.0%)	0.0% (0.0%)	0.0% (0.0%)	0.0% (0.0%)	0.0% (0.0%)	0.0% (0.0%)	0.0% (0.1%)	0.0% (0.0%)	0.0% (0.0%)	0.0% (0.0%)	0.0% (0.0%)	0.0% (0.0%)

Table 4. Area F Troll Opening dates 2007 to 2018.

Year	Open dates
2007	June 15 to August 17
2008	June 20 to August 8
2008	August 28 to September 30
2009	June 15 to August 3
2009	August 22 to September 30
2010	June 15 to August 8
2011	June 9 to 21
2012	June 21 to July 15
2012	July 20 to August 11
2012	September 4 to 30
2013	June 21 to July 7
2014	June 21 to August 4
2014	September 1 to 30
2015	June 18 to July 31
2015	August 25 to September 30
2016	June 21 to August 1
2016	August 25 to September 30
2017	June 21 to August 4
2017	August 25 to September 30
2018	July 10 to August 6
2018	August 20 to September 30

Wong, Eva

From: Winther, Ivan
Sent: April-16-19 10:46 AM
To: Masson, Colin; Davies, Shaun; Davies, Sandra
Subject: FW: URGENT: Chinook Stock List
Attachments: 2019 Salmon Outlook_NBCchinook_IW15April2019.docx

Updated Chinook outlook to John Holmes.
fyi, Ivan

From: Winther, Ivan
Sent: 2019-April-16 8:44 AM
To: Holmes, John <John.Holmes@dfo-mpo.gc.ca>; Thiess, Mary <Mary.Thiess@dfo-mpo.gc.ca>; Brown, Gayle <Gayle.Brown@dfo-mpo.gc.ca>; Parken, Chuck <Chuck.Parken@dfo-mpo.gc.ca>
Subject: RE: URGENT: Chinook Stock List

Good morning John,
I've attached an updated version of the salmon outlook for NBC Chinook stocks.
Regards,
Ivan

From: Holmes, John <John.Holmes@dfo-mpo.gc.ca>
Sent: 2019-April-12 10:02 AM
To: Thiess, Mary <Mary.Thiess@dfo-mpo.gc.ca>; Brown, Gayle <Gayle.Brown@dfo-mpo.gc.ca>; Parken, Chuck <Chuck.Parken@dfo-mpo.gc.ca>; Velez-Espino, Antonio <Antonio.Velez-Espino@dfo-mpo.gc.ca>; Wor, Catarina <Catarina.Wor@dfo-mpo.gc.ca>; Winther, Ivan <Ivan.Winther@dfo-mpo.gc.ca>
Cc: Luedke, Wilf <Wilf.Luedke@dfo-mpo.gc.ca>
Subject: URGENT: Chinook Stock List

All,

As a result of Ministerial briefings on 2019 Chinook measures, the Minister's office has requested a list of all Chinook stocks and their health (status) in BC. For southern BC, I think we look to provide PST status (abundance based), WSP status (where available) and COSEWIC status (where available). For WCVI and NBC I expect we will provide PST abundance category unless there is another metric that can be used.

Ivan – MINO is also asking for information on the timing of Fraser stocks of concern as they move through the Area F fishery (and Area G – Bryan Rusch has developed some information) to support a closure decision until those stocks are clear of the fishery. Please put together a memo with the timing information.

NOTE: MINO is asking for this information by the end of the day today. Hence I need your responses as soon as possible. Please let me know when I can expect the required information.

John

John Holmes, Ph.D.

Division Manager, Stock Assessment and Research Division, Pacific Biological Station
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PRELIMINARY 2019 SALMON OUTLOOK

Since 2002, Pacific Region (BC & Yukon) Stock Assessment staff has provided a categorical outlook for the upcoming year's salmon returns. The Outlook is intended to provide an objective and consistent context within which to initiate fisheries planning. In particular, it provides a preliminary indication of salmon production and associated fishing opportunities by geographic area and species stock groups called Outlook Units. The Conservation Units covered by each Outlook Unit are listed in Appendix 1.

Final stock-specific fishing plans described in the annual Salmon Integrated Fisheries Management Plans (IFMP) may be different from the generic scenarios described here. Stock-specific plans are informed by available science and management information, the specific nature of fisheries on a given stock, allocation policy, consultation input and other considerations. Actual fishing opportunities are subject to in-season updates and are announced through the DFO Fishery Notice system or other official communications from DFO.

For each Outlook Unit, an Outlook category is provided on a scale of 1 to 4 (Table 1). The category assessment results from the interpretation of current quantitative and qualitative information, including pre-season forecasts if available, and the opinion of DFO Stock Assessment staff. Where management targets for stocks have not been formally described, interim targets were either based on historical return levels or, if necessary, opinion of local staff. In some cases, multiple categories are reported to reflect variation in status among component populations within the Outlook Unit, or to capture the degree of uncertainty in the assessment. The Department is currently developing benchmarks of status under the Wild Salmon Policy for Conservation Units of Pacific salmon.

Assigned Outlook categories will influence fisheries expectations in areas where an Outlook Unit is caught directly or incidentally. In the context of this outlook, potential fishery consequences associated with each of the four Outlook Categories are identified in the table below.

Table 1. <caption to be added>

Outlook Category	Category Definition	Criteria	General Fisheries Expectations ¹
1	Stock of Concern	Stock is (or is forecast to be) less than 25% of target or is declining rapidly.	Fisheries opportunities highly restricted including non-retention, closures or other measures. Likely requirement for management measures in fisheries targeting co-migrating stocks to minimize by-catch or incidental impacts.
2	Low	Stock is (or is forecast to be) well below target or below target and declining.	Directed fisheries opportunities unlikely or very limited (subject to allocation policy considerations). Potential requirement for management measures in fisheries targeting co-migrating stocks to minimize by-catch or incidental impacts.
3	Near Target	Stock is (or is forecast to be) within 25% of target and stable or increasing.	Directed fisheries possible subject to allocation policy and other considerations laid out in IFMPs, including measures to address weak stocks that may be present during fisheries.
4	Abundant	Stock is (or is forecast to be) well above target.	Directed fisheries are likely for all harvesters subject to allocation policy and other considerations laid out in IFMPs including measures to address weak stocks that may be present during fisheries.

¹ "General Fisheries Expectations" provides a generalized description of the potential fisheries consequences of each outlook category. Stock-specific fishing plans described in the annual Salmon Integrated Fisheries Management Plans (IFMP).

This version of the 2019 outlook for Northern BC was updated April 15, 2019.

Chinook

- Northern BC: Nass and Skeena escapements improved in 2018 after record lows in 2017. These increases are thought to have occurred over most NBC Chinook stocks in 2018.

Chinook		
Outlook Unit Chinook	2019 Outlook Category	Comments (2018 Outlook Category has been retained for reference)
45. Areas 7 and 8	3/4	2019 Bella Coola returns are expected to be average. Other assessments are of poor quality. (2018 Outlook Category was 3/4)
46. Areas 9 and 10	2/4	Wannock River Chinook returns are expected to be average. The spring-run Owikeno Lake tributary and Chuckwalla / Kilbella stocks are expected to be below average based on recent trends; however, assessments are of poor quality or no longer conducted. 2018 Outlook Category 2 (Chuckwalla/Kilbella) and 4 (Wannock). (2018 Outlook Category was 2/4)
47. Coastal Areas 3 to 6	2/3	These stocks are thought to be low but may be increasing following a pattern of improved productivity among stocks in the north-west. Assessments are of poor quality. (2018 Outlook Category was 2/3)
48. Nass	3/4	The 2019 return is forecast to increase after record low escapements in 2017 and average returns in 2018. Increased abundance in 2018 included significant numbers of age 4 ₂ Chinook which are expected to result in more age 5 ₂ fish in 2019. Age 5 ₂ Chinook typically are the most abundant age class in the Nass. (2018 Outlook Category was 2/3)
49. Haida Gwaii	ND	No recent assessments of Yakoun Chinook. (2018 Outlook Category was ND)
50. Skeena	3/4	Average returns are expected for summer Skeena Chinook. The 2019 return is forecast to increase after record low escapements in 2017 and average levels in 2018. A low productivity pattern among stream type stocks in the north-west appears to have ended with improved escapements in 2018. Increased abundance in 2018 included significant numbers of age 4 ₂ Chinook which are expected to result in more age 5 ₂ fish in 2019. Age 5 ₂ and age 6 ₂ Chinook typically are the most abundant age class in the Skeena. Declining trends in smaller Skeena CU's evident after 2016 have also ended with improved escapements. Assessments of spring timed Chinook in the Skeena are of poor quality. (2018 Outlook Category was 2/3)

Appendix 1. Outlook Units and associated Conservation Units.

OU No.	Outlook Unit Name	Conservation Unit
Chinook		
45	Areas 7 and 8	CK::Bella Coola-Bentinck CK::Dean River
46	Areas 9 and 10	CK::Docee CK::Rivers Inlet CK::Wannock
47	Coastal Areas 3 to 6	CK::North and Central Coast-early timing CK::North and Central Coast-late timing CK::Portland Sound-Observatory Inlet-Lower Nass CK::Skeena Estuary
48	Nass	CK::Upper Nass
49	Haida Gwaii	CK::Haida Gwaii-East CK::Haida Gwaii-North
50	Skeena	CK::Ecstall CK::Kalum-early timing CK::Kalum-late timing CK::Lakelse CK::Lower Skeena CK::Middle Skeena-large lakes CK::Middle Skeena-mainstem tributaries CK::Sicintine CK::Upper Bulkley River CK::Upper Skeena CK::Zymoetz

Appendix 2. Expansion of acronyms used in this document.

Acronym	Expanded Form
CK	Chinook salmon
CU	Conservation Unit
DD	Data Deficient (WSP Status classification)
ND	No Data (i.e. data deficient)
OU	Outlook Unit
PST	Pacific Salmon Treaty
US	The United States of America

2019 Fraser Chinook- Background Information Requests

On February 5th the Department of Fisheries and Oceans Canada released a letter *Re: 2019 Fraser Chinook Conservation Measures* outlining the conservation concerns for the Fraser Chinook populations and seeking feedback on proposed management scenarios. The deadline for feedback on the February 5th letter was March 1 and DFO and DFO announced new measures for 2019 fisheries on April 16, 2019.

Further information on specific management actions was communicated by Fishery Notice FN0377. You can view or subscribe to fisheries notices at: <http://notices.dfo-mpo.gc.ca/fns-sap/index-eng.cfm>

During consultations in February and March and in correspondence, there were a number of requests for additional information. This document provides some of the additional information that was requested including:

1. Information on what's known about fishery impacts on Fraser Spring 5₂ and Summer 5₂ chinook that do not have current coded-wire tag (CWT) indicators. Information is provided on the run timing of these populations at the Albion test fishery (**Appendix 1**) and historic recoveries of past CWTs for populations in these management units (**Appendix 2**). In addition, DFO is in the process of completing a 5 year review of fisheries impacts on these stocks and a CSAS meeting has been scheduled for June 13-14, 2019 (**Appendix 3**).
2. Canadian fishery mortalities projected for fishery measures proposed in Scenario A and B in the February 5th letter (**Appendix 4**).
3. What were the results of 2018 management measures? Pre-season projected outcomes are provided in **Appendix 4**. However, an assessment of whether 2018 management actions achieved their intended 25-35% reductions for Fraser River Chinook MUs requires information CWT fishery mortality distributions for 2018 fisheries. This information will be shared separately when it becomes available (expected in April 2019).
4. Map of Fraser watershed showing COSEWIC status of designatable units (**Appendix 5**).
5. 2018 and 2019 Canadian Chinook Forecasts and 2018 Observed returns used by Chinook Technical Committee for setting Chinook abundance indices for Pacific Salmon Treaty (**Appendix 6**).
6. Aggregate returns for Fraser River chinook management units from 1975-2018 (**Appendix 7**).
7. How would the Canadian fishery mortalities translate into numbers of Chinook salmon? A summary of the estimated fishery mortalities (in numbers of fish) were approximated for the Nicola (Spring 4₂), Lower Shuswap (Summer 4₁) and Harrison (Fall 4₁) CWT indicator populations using CWT fishery mortality distribution data and observed spawner abundances for 2013-2017 (**Appendix 8**). Projections are not available for Spring 5₂ and Summer 5₂ Chinook management units (however, information on impacts on these populations is anticipated as part of the 5 year review).
8. Total chinook catches in BC fisheries (**Appendix 9**). These are total Chinook numbers, not just Fraser Chinook.

There are five management units (MUs) of Fraser Chinook identified for management and assessment purposes based on their timing of entry into the Fraser River, life history and ocean distribution. The information package provides data on these 5 MUs. Fishing removals of Chinook are assessed using CWT indicator populations; however, there are no indicators for 2 of the 5 MUs. The 5 MUs (and indicator population where present) are:

Fraser Spring 4₂ (Nicola indicator)
Fraser Spring 5₂ (no current indicator)
Fraser Summer 5₂ (no current indicator)
Fraser Summer 4₁ (Lower Shuswap indicator)
Fraser Fall 4₁ (Harrison indicator)

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Additional Fraser Chinook Background information

April 26, 2019

Appendix 1: Run timing of the Spring 4₂, Spring 5₂ and Summer 5₂ chinook at the Albion Test Fishery

6.2 Run Timing Distribution

Table 5: Run timing based on Albion chinook test fishery in the Fraser River

Albion Test Fishery Data
(2000/2001)

statWk	Relative Abundance (CPUE)		
	Spring 4sub2	Spring 5sub2	Summer 5sub2
4/1	0.08	0.16	0.00
4/2	0.07	0.11	0.01
4/3	0.06	0.12	0.00
4/4	0.04	0.18	0.00
4/5	0.05	0.10	0.00
5/1	0.08	0.15	0.01
5/2	0.03	0.10	0.01
5/3	0.09	0.36	0.01
5/4	0.11	0.30	0.03
6/1	0.15	0.70	0.03
6/2	0.20	0.92	0.14
6/3	0.22	1.28	0.16
6/4	0.21	0.77	0.27
7/1	0.29	1.45	0.65
7/2	0.17	0.92	0.62
7/3	0.21	0.57	1.03
7/4	0.14	0.28	1.11
7/5	0.18	0.23	0.89
8/1	0.17	0.11	0.87
8/2	0.00	0.04	0.46
8/3	0.02	0.03	0.12
8/4	0.00	0.01	0.04
9/1	0.00	0.02	0.05
9/2	0.00	0.03	0.01
9/3	0.00	0.03	0.00
9/4	0.00	0.00	0.01

Location: Albion

statWk	Cumulative Frequency Distribution		
	Spring 4sub2	Spring 5sub2	Summer 5sub2
4/1	3%	2%	0%
4/2	6%	3%	0%
4/3	8%	4%	0%
4/4	10%	7%	0%
4/5	12%	8%	0%
5/1	15%	9%	0%
5/2	16%	10%	0%
5/3	20%	14%	0%
5/4	24%	18%	1%
6/1	30%	26%	1%
6/2	37%	36%	4%
6/3	46%	50%	6%
6/4	54%	59%	10%
7/1	66%	75%	20%
7/2	72%	85%	30%
7/3	80%	91%	45%
7/4	86%	95%	62%
7/5	93%	97%	76%
8/1	99%	98%	89%
8/2	99%	99%	96%
8/3	100%	99%	98%
8/4	100%	99%	99%
9/1	100%	99%	100%
9/2	100%	100%	100%
9/3	100%	100%	100%
9/4	100%	100%	100%

How to interpret the Cumulative Frequency Distribution percentages:

Ex. 1: 4sub2 statWk 5/1: 15%

15% of the run has migrated past the Fraser River mouth by the end of statistical week 5-1

Ex 2. 5sub2: What proportion of the run migrates during weeks 5/1 through 5/4?

By the end of week 5/4 18% of the run has migrated past the river mouth and by the end of week 4/5 8% has migrated past the river mouth.

Note: run timing was adjusted by 1 week for timing to Strait of Juan de Fuca, 2 weeks for northern WCVI and 3 weeks for Northern BC (e.g. Haida Gwaii).

Appendix 2: Historic Recoveries of Spring 5₂ and Summer 5₂ chinook CWT populations

Table 6.2 - Marine recoveries patterns (frequency by recovery area) for Fraser chinook salmon CWT'ed populations. Shading indicates relative value, with the largest values shaded the darkest. Populations excluded where observed values < 10 recoveries. Table 2.2 provides the statistical areas for each of the recovery areas.

Productivity	Population	Northern	WCVI	Inside	JDF/Puget	Wash/Ore	ObsN	EstN
Higher	Stuart	0.27	0.49	0.09	0.13	0.01	109	412
	Chilko	0.19	0.35	0.21	0.23	0.01	59	276
	Quesnel	0.39	0.29	0.18	0.13	0.00	314	1,236
	L. Cariboo	0.64	0.07	0.09	0.20	0.00	13	49
	Clearwater	0.41	0.37	0.06	0.08	0.01	397	1464
	N.Thompson	0.67	0.20	0.03	0.10	0.00	81	327
Lower	Dome	0.10	0.10	0.19	0.50	0.02	86	356
	Slim	0.00	0.41	0.26	0.20	0.03	10	34
	Bowron	0.31	0.25	0.15	0.27	0.02	20	83
	West Road	0.09	0.17	0.15	0.43	0.15	30	144
	U. Cariboo	0.09	0.12	0.40	0.32	0.05	23	87
	Chilcotin	0.10	0.33	0.29	0.24	0.01	30	108
	Finn	0.30	0.26	0.29	0.10	0.03	38	153
	Raft	0.38	0.43	0.07	0.12	0.00	239	901
	Bridge	0.06	0.61	0.09	0.22	0.00	28	106
Higher	S.Thompson	0.71	0.07	0.21	0.00	0.00	21	78
	L. Shuswap	0.66	0.08	0.18	0.06	0.00	1,317	4,746
	M. Shuswap	0.61	0.12	0.18	0.09	0.00	532	1,973
Lower	Salmon R	0.44	0.11	0.38	0.04	0.02	43	170
	Eagle	0.50	0.18	0.19	0.13	0.01	367	1391
Lower	Bonaparte	0.08	0.27	0.34	0.29	0.03	108	398
	Deadman	0.15	0.13	0.42	0.26	0.04	40	217
	Nicola	0.13	0.19	0.26	0.4	0.03	413	1,946
	Coldwater	0.09	0.03	0.14	0.73	0.02	28	76
Lower	Birkenhead	0.57	0.03	0.31	0.07	0.02	44	333
Higher	Chilliwack	0.01	0.27	0.44	0.2	0.07	4,530	15,538
	Harrison/Cheh	0.05	0.31	0.50	0.11	0.03	5,969	22,708
	Stave	0.00	0.07	0.19	0.12	0.61	242	657

Legend:

Management Unit	Indicator Populations
Spring 4 ₂	Bonaparte, Deadman, Nicola, Coldwater
Spring 5 ₂	Birkenhead, West Road, U. Cariboo, Dome, Slim, Chilcotin, Bowron, Finn
Summer 5 ₂	L. Cariboo, Bridge, Clearwater, N. Thompson, Raft, Stuart, Quesnel, Chilko, Raft
Summer 4 ₁	S. Thompson, M. Shuswap, Lower Shuswap
Fall 4 ₁	Chilliwack, Harrison/Chehalis

Notes on Marine Coded Wire Tag Recoveries:

The Mark Recovery Program (MRP) database was queried for mark application and subsequent marine recovery information for all Fraser River Chinook populations from 1970 to present (*publication date was 2002*). A similar search was performed on the US recovery databased (reporting Alaska, Washington, Oregon and California recoveries). Tag codes identified as 'transplants' (i.e. reared and released at a site distant from the broodstock site) were removed from the data to eliminate any potential effect of rearing environment on the subsequent marine distribution and timing. Samples from small tributaries were generally pooled with those of the major system.

Additional Fraser Chinook Background information

April 26, 2019

Tag recoveries were apportioned to the five marine recovery strata (adapted from Johnson 1990): 1) Northern (Alaska, North Coast and Central Coast); 2) West Coast Vancouver Island (Northwest Vancouver Island, Southwest Vancouver Island); Strait of Juan de Fuca (JDF)/Puget Sound; 4) Inside (Johnstone Strait and Strait of Georgia); and Washington/Oregon Coast (Table 2.2). Recoveries are reported as 'observed' tags which are the actual number of tags recovered; and as 'estimated' tags, which is the number of observed tags recovered in the time-area-fishery stratum, expanded to account for that catch/sample ratio (Kuhn et al. 1998). Those release sites with less than 10 observed tag recoveries were excluded from the analysis.

Source: http://www.dfo-mpo.gc.ca/csas-sccs/publications/resdocs-docrech/2002/2002_085-eng.htm

Purpose/Objectives

The primary purpose is to conduct a technical review of the available information to assess the Department's management approach for Fraser Spring 42, Spring 52 and Summer 52 chinook, and provide technical information to assess whether the Department's management approach in place since 2012 is achieving conservation and allocation objectives consistent with *An Allocation Policy for Pacific Salmon (1999)*, including obligations to provide for constitutionally protected aboriginal and treaty fisheries after conservation objectives.

This work will include a technical review of the available data and methods to assess the performance relative to conservation objectives and an assessment of fisheries impacts, including catch and release mortalities, for Fraser River Spring 42, Spring 52 and Summer 52 chinook in all fisheries. This review is also intended to identify key data gaps and uncertainties affecting the assessment of the Department's management approach and to provide advice on how to account for and/or resolve these gaps and uncertainties.

A CSAS meeting is planned for June 13-14, 2019 with details to follow.

Additional Fraser Chinook Background information

April 26, 2019

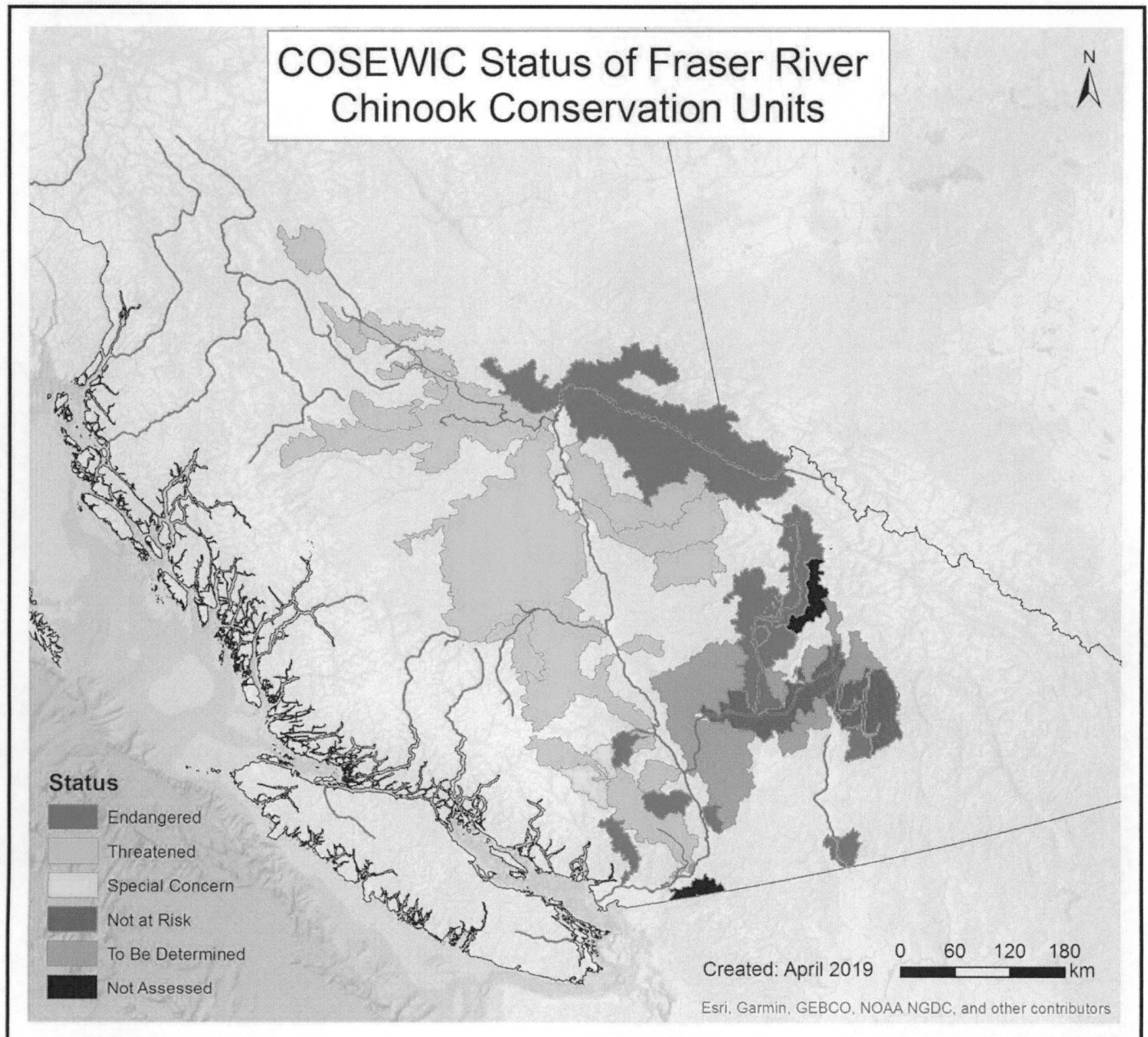
Appendix 4: Canadian Mortality Table: Modeled for Scenario A and B for Spring 4₂, Summer 4₁, and Fall 4₁ (Note Spring and Summer 5₂ are not included due to lack of current CWT indicator data)

Fishery Management Unit	Indicator Population	Fishery	Canadian Total Mortality (2013-2016 Average)	Scenario B	Scenario A	2018 projections
Spring 4 ₂	Nicola	Northern BC Commercial Troll	0.8%	0.0%	0.0%	0.1%
		WCVI Commercial Troll	0.9%	0.0%	0.0%	0.6%
		Juan de Fuca Recreational	3.6%	0.9%	0.5%	1.5%
		Strait of Georgia Recreational	0.5%	0.3%	0.1%	0.3%
		Johnstone Strait Recreational	0.3%	0.2%	0.1%	0.3%
		WCVI AABM Recreational	0.0%	0.0%	0.0%	0.0%
		WCVI ISBM Recreational	0.0%	0.0%	0.0%	0.0%
		Northern BC recreational	0.1%	0.1%	0.1%	0.1%
		Fraser Recreational	0.2%	0.0%	0.0%	0.0%
		Fraser Indigenous FSC	8.6%	8.0%	3.4%	8.6%
Summer 4 ₁	Lower Shuswap	All other	0.7%	0.7%	0.7%	0.7%
		CDN Fishing Removals	15.8%	10.3%	5.0%	12.2%
		USA Fishing Removals	2.3%	2.3%	2.3%	2.3%
		Spawners	81.9%	87.4%	92.7%	85.5%
		% CDN reduction		-35%	-68%	-23%
Fishery Management Unit	Indicator Population	Fishery	Canadian Total Mortality (2013-2016 Average)	Scenario B	Scenario A	2018 projections
Summer 4 ₁	Lower Shuswap	Northern BC Commercial Troll	7.0%	2.4%	2.4%	2.8%
		WCVI Commercial Troll	1.5%	0.1%	0.1%	1.2%
		Juan de Fuca Recreational	2.8%	1.4%	0.9%	2.2%
		Strait of Georgia Recreational	3.0%	2.3%	1.5%	1.6%
		Johnstone Strait Recreational	1.1%	0.9%	0.3%	1.1%
		WCVI AABM Recreational	1.2%	1.2%	0.3%	1.2%
		WCVI ISBM Recreational	0.1%	0.1%	0.1%	0.1%

Additional Fraser Chinook Background information

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		April 26, 2019					
	Northern BC recreational		2.5%	2.5%	2.5%	2.5%	1.7%
	Fraser Recreational		2.2%	1.4%	1.2%	1.2%	2.1%
	Fraser Indigenous FSC		4.4%	2.6%	2.4%	2.4%	4.4%
	All other		1.1%	0.5%	0.5%	1.1%	1.1%
	CDN Fishing Removals		27.0%	15.3%	12.2%	12.2%	19.4%
	USA Fishing Removals		12.9%	12.9%	12.9%	11.9%	11.9%
	Spawners		60.1%	71.8%	75.0%	68.7%	68.7%
	% CDN reduction			-43%	-55%	-55%	-28%
	Fishery Management Unit	Indicator Population	Canadian Total Mortality (2013-2016 Average)	Scenario B	Scenario A	2018 projections	
Fall 4 ₁	Fishery						
	Northern BC Commercial Troll		0.2%	0.1%	0.1%	0.1%	
	WCVI Commercial Troll		1.9%	0.3%	0.3%	0.7%	
	Juan de Fuca Recreational		0.9%	0.8%	0.7%	0.7%	
	Strait of Georgia Recreational		9.1%	7.0%	3.4%	6.3%	
	Johnstone Strait Recreational		0.1%	0.1%	0.0%	0.1%	
	WCVI AABM Recreational		1.7%	1.7%	1.0%	1.7%	
	WCVI ISBM Recreational		0.2%	0.2%	0.2%	0.2%	
	Northern BC recreational		0.0%	0.0%	0.0%	0.0%	
	Fraser Recreational		0.3%	0.3%	0.1%	0.3%	
	Fraser Indigenous FSC		2.0%	2.0%	2.0%	2.0%	
	All other		0.9%	0.9%	0.9%	0.9%	
	CDN Fishing Removals		17.4%	13.4%	8.6%	13.0%	
	USA Fishing Removals		7.8%	7.8%	7.8%	7.8%	
	Spawners		74.8%	78.8%	83.6%	79.2%	
% CDN reduction			-23%	-50%	-25%		



Additional Fraser Chinook Background information

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Appendix 6: 2018 and 2019 Canadian Chinook Forecasts and 2018 Observed returns

The following table summarizes the 2018 and 2019 Canadian Chinook forecasts and 2018 observed returns generated for the purpose of providing input to the calibration of the PSC Coast Wide Chinook Model. ForecastR was used to produce each forecast and each was the result of a statistical 'best fit' model selection process which is specific to each age if the forecast is age-specific and specific to the year being forecasted. Data contributing to each forecast ranges from high to low quality. Consequently, forecasts can be expected to range in the level of uncertainty, although this may not be quantifiable. The most extreme case is the forecast for the Upper Georgia Strait aggregate. Data were not available for 9 of 14 river systems contributing to the Upper Georgia Strait forecast and missing values were estimated using an infilling procedure. This particular forecast would not be generated except for the requirement to provide a forecast that maintains the same stock aggregate used to create base period data for the PSC Coast Wide Chinook Model.

Model Stock	Forecast 2019	80% Confidence Interval	Forecast 2018	Observed 2018	% Change: 2018 FCS to 2018 OBS	% Change: 2018 OBS to 2019 FCS	Forecast Data	Forecast Type
North/Central (NTH)	84,033	73-496-95,037	101,362	92,967	-8.3%	-9.6%	Terminal Run	Total adults
Fraser Early Aggregate (FRE)	138,333	122,393-155-719	156,877	84,373	-46.2%	64.0%	Terminal Run	Total adults
FS2: Fraser Spring 4 ₂	3,585	2,139-4,512	8,561	3,585	-58.1%	0.0%	Terminal Run	Total adults
FS3: Fraser Spring 5 ₂	11,056	9,591-14,072	9,254	11,056	19.5%	0.0%	Terminal Run	Total adults
FSS: Fraser Summer 5 ₂	6,576	3,960-11,373	7,327	6,576	-10.2%	0.0%	Terminal Run	Total adults
FSO: Fraser Summer 4 ₁	117,116	106,703-125,762	131,735	63,156	-52.1%	85.4%	Terminal Run	Total adults
Fraser Late Aggregate (FRL)	126,343	total of 2 forecasts	96,147	81,399	-15.3%	55.2%	Escapement	Age-specific
FHF: Harrison River 4 ₁	78,758	age-specific	61,824	48,626	-21.3%	62.0%	Escapement	Age-specific
FCF: Chilliwack Hatchery (Fall)	47,585	age-specific	34,322	32,773	-4.5%	45.2%	Return to river	Age-specific
Lower Georgia Strait Hatchery (GSH)	10,207	age-specific	11,353	11,731	3.3%	-13.0%	Terminal Run	Age-specific

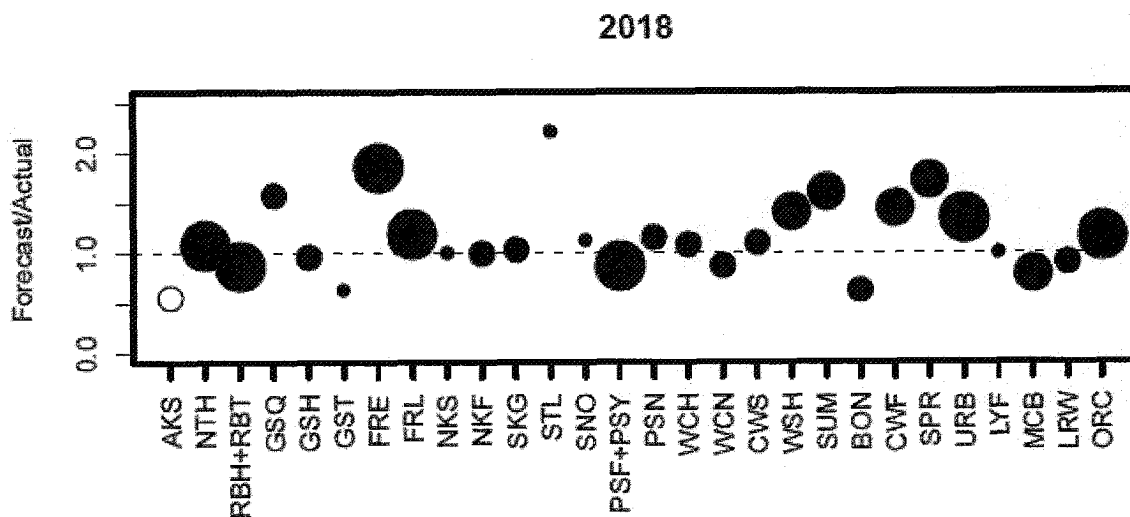
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Lower Georgia Strait Natural (GST)	22,630	age-specific	12,162	19,417	59.7%	16.5%	Escapement	Age-specific
Upper Georgia Strait (GSQ)	36,991	30,105-44,646	49,654	31,436	-36.7%	17.7%	Escapement	Total adults
WCVI Aggregate	195,095	total of 2 forecasts	158,357	181,128	14.4%	7.7%	Terminal Run	Age-specific
WVN: WCVI Natural	27,166	age-specific	15,515	22,961	48.0%	18.3%	Terminal Run	Age-specific
WVH: WCVI Hatchery	167,929	age-specific	142,842	158,167	10.7%	6.2%	Terminal Run	Age-specific

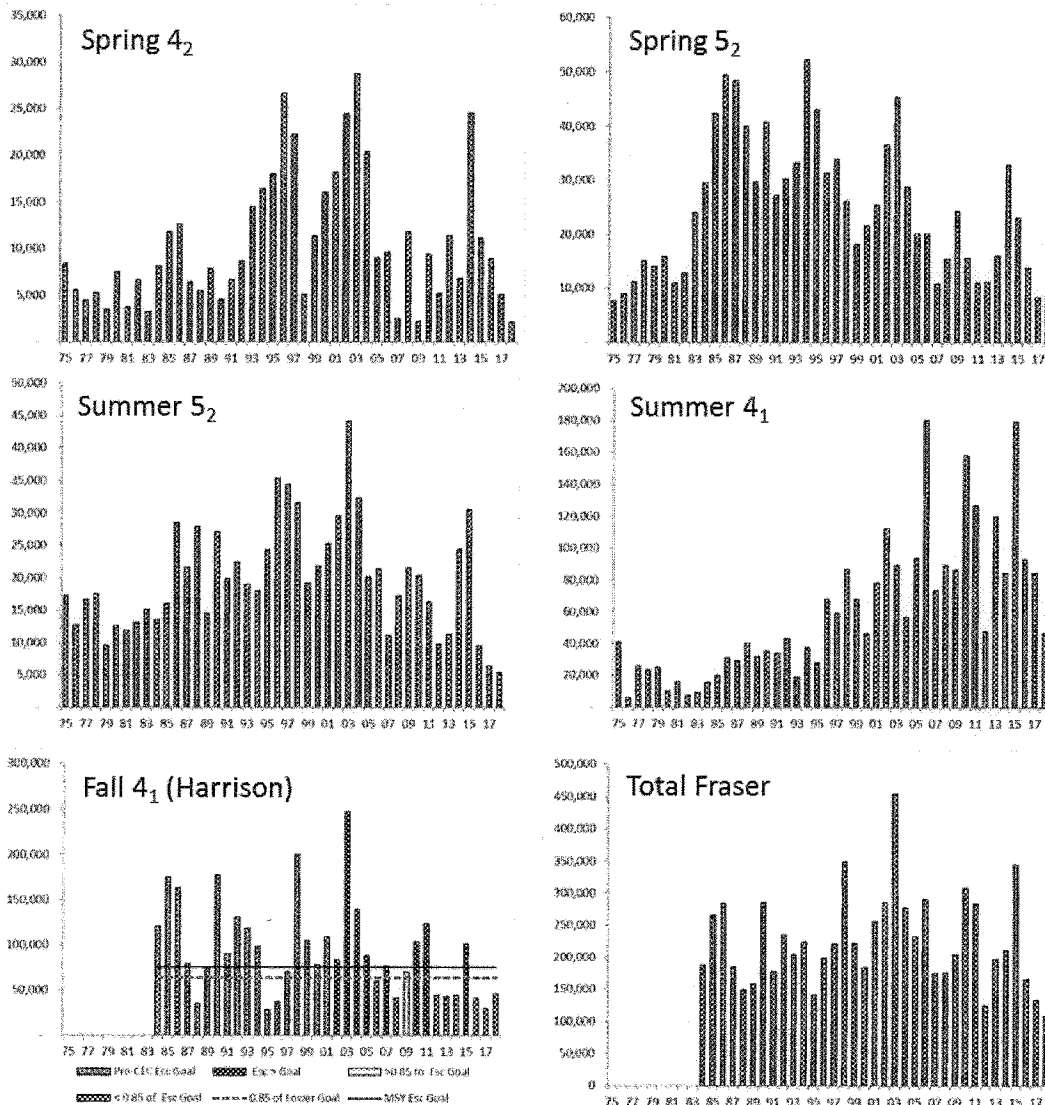
Many of the Canadian Chinook forecasts in 2018 exceeded the observed return. This pattern also occurred in the majority of forecasts in 2018 for US stocks. Many stocks have exhibited a downward trend in returns in recent years and the commonly used forecast models tend to over-forecast. A continuation in 2019 of the downward trend in returns could mean that stock returns will tend to be over-forecasted in 2019 as well.

The graph below shows the ratio of the forecast in 2018 to the observed return for all 30 of the Chinook Model stocks, including Canadian stocks. The size of the circle for a stock indicates the average magnitude of the returns for a stock. The unfilled circle for the AKS stock (Alaska Spring aggregate) indicates that the forecast was generated by the Chinook Model rather than through an external forecasting procedure by the responsible agency (Alaska Department of Fish and Game).



Appendix 7: Fraser River Chinook Stock Returns 1975 to 2018

The panels in the figure below display the returns of the 5 Fraser River Chinook stock groupings from 1975 – 2018. Note that for the Fraser Fall stock, comprised of a single spawning stock only (Harrison River), the first year of data is 1985. Spawning escapement objectives used domestically and for management under the Pacific Salmon Treaty are available for the Harrison River and are included as reference levels. A sixth panel is shown displaying the total of the 5 stock groupings from 1985-2018. The usefulness of this graph is unclear due to the diverse patterns in the freshwater and marine life history phases, diverse distribution patterns in the ocean and consequently, exposure to coast wide fisheries extending from Alaska through BC to southern US waters. Note that the magnitude of the vertical axis differs in each graph.



Additional Fraser Chinook Background information

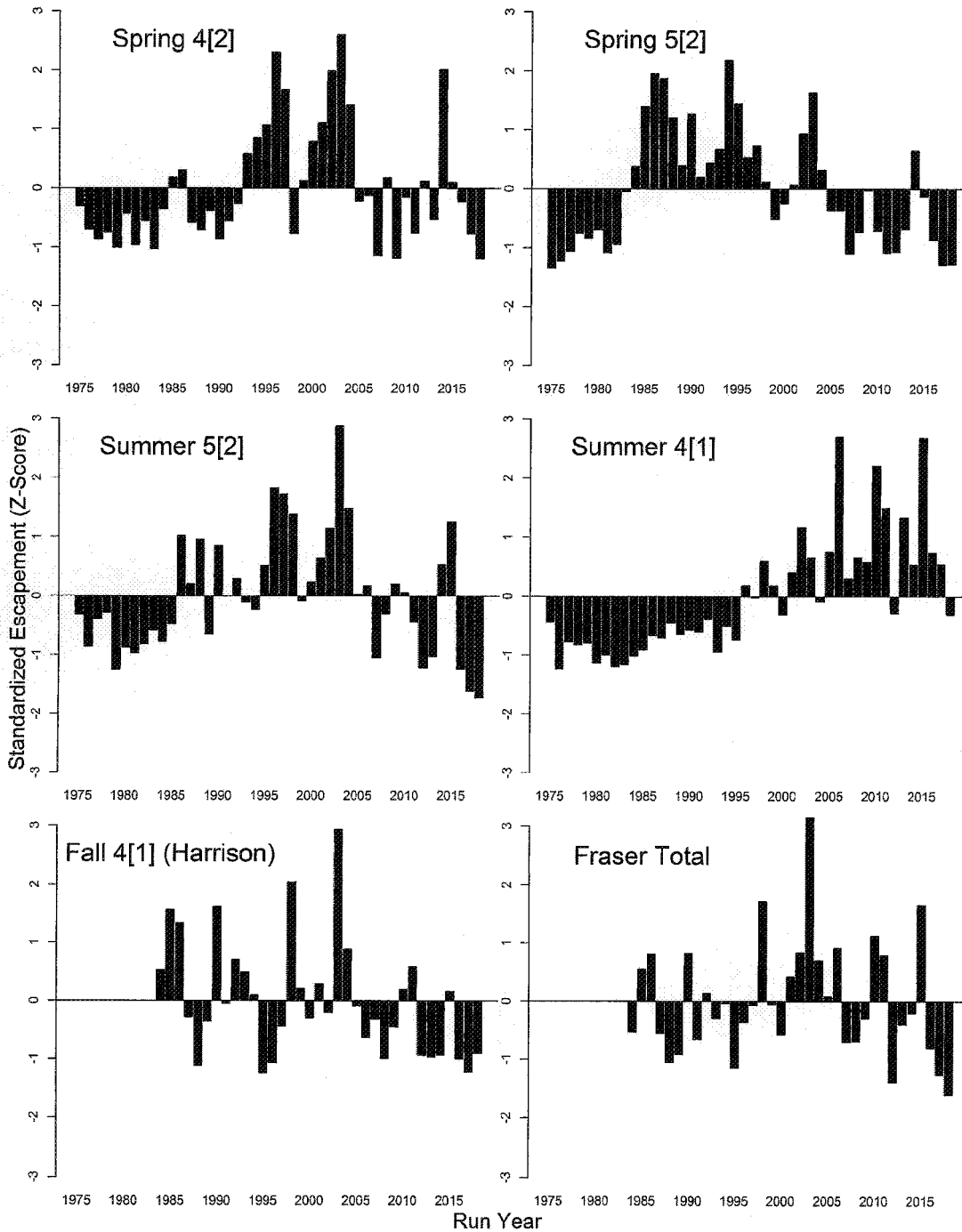
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Note: The horizontal black and red lines in the graph for Harrison River Chinook indicate respectively, the optimal spawner abundance level ($S_{MSY} = 75,100$) established for this stock and the level 15% below S_{MSY} . Under the 2009 Pacific Salmon Treaty, spawner abundances below the red line for 3 consecutive years invoke an obligation to manage Canadian 'inside' (ISBM) fisheries so that spawner abundances exceed the red line level. Under the Wild Salmon Policy, the red line denotes the boundary between the GREEN and AMBER status zones for this one measure of status. Although not shown, the boundary between the WSP AMBER and RED zones is at the spawner abundance level of 42,918 (excluding age 2 fish, also known as 'jacks').

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The panels in the figure below are based on the same data sets as displayed in the previous page but are presented as standardized Z-score values. These display trends in based on average deviations (Z-scores) for five aggregate Fraser Chinook management units, run years 1975-2018. Values below the horizontal line at zero indicate returns that are below the long-term average level, values above indicate the opposite.



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Appendix 8: Summary of estimated catches and spawner numbers based on CWT fishery mortality distribution data, 2013-2017.

Fisheries	Year	Spring 4 ₂ (Nicola indicator)					Summer 4 ₂ (Lower Shuswap indicator)					Fall 4 ₂ (Harrison indicator)				
		2013	2014	2015	2016	2017	2013	2014	2015	2016	2017	2013	2014	2015	2016	2017
	Escapement	7345	24963	11515	9310	5474	139349	89274	193511	99626	98528	96290	106144	137158	81671	55622
AABM Fisheries	US Total Estimated Catch	383 - 386	479	241 - 242	151 - 153	147 - 149	21483 - 22134	27429 - 28409	34356 - 35543	20359 - 21332	26996 - 27192	14240	16264	12045	3313	12871
	CDN Total Estimated Catch	638 - 702	4377	2038 - 2085	3026 - 3180	790 - 851	62150 - 62707	55969 - 57238	69838 - 70068	37811 - 38050	50128 - 51210	16924	37550	30210	16026	25651
	Troll	0	0	0	25	0	16893 - 16985	19223 - 19474	20129 - 20225	16140 - 16264	21763 - 21922	0	778	291	462	0
ISBM Fisheries	Net & Sport	0	0	0	0	0	1392 - 1399	1998 - 2024	1012 - 1017	3003 - 3026	2497 - 2516	298	283	97	231	0
	Troll	103 - 104	0	36	214 - 216	65	17116 - 17209	12552 - 12715	11077 - 11130	14563 - 14675	13379 - 13476	0	0	777	231	409
	Sport	0	0	27	0	0	4982 - 5009	3355 - 3398	4466 - 4488	3078 - 3101	4816 - 4852	75	0	0	0	0
NBC	Troll	17	616	36	126 - 127	77	501 - 504	5805 - 5880	1667 - 1675	2928 - 2950	2914 - 2935	2609	6294	1651	770	1546
	Sport	0	0	0	0	0	2226 - 2239	2865 - 2902	3752 - 3770	1576 - 1589	3092 - 3115	2945	1414	1846	2620	4593
	Juan de Fuca	231 - 294	274	321 - 367	807 - 954	78 - 137	11283 - 11640	3189 - 4047	9648 - 9694	976 - 983	4764 - 5570	485	1131	3011	886	1364
Ocean Sport	Johnstone Strait	0	0	45	100 - 102	0	2421 - 2434	942 - 955	4288 - 4308	2402 - 2421	2795 - 2815	112	424	0	0	0
	Strait of Georgia	91 - 92	0	62 - 63	63 - 64	130 - 131	8182 - 8227	3807 - 3857	11136 - 11189	4054 - 4085	8979 - 9044	8350	19022	16319	9130	16100
	WCVI	0	0	0	0	0	501 - 504	302 - 305	298 - 299	0	892 - 898	336	566	0	0	45
NBC	NBC	17	0	0	0	0	807 - 811	264 - 267	2144 - 2154	1576 - 1589	1070 - 1078	75	0	0	0	91
	Cdn. Ocean Net ¹	0	0	0	0	0	0	1545 - 1566	0	0	0	0	0	0	0	0
	Cdn. Ocean Troll ²	0	0	0	0	0	28	38	0	0	0	0	71	0	0	0
Fraser River	Fraser Mainstem Sport	0	0	0	0	0	0	822	5034	371	0	596	0	680	462	318
	Shuswap Sport	0	0	0	0	0	4560	1506	6036	1520	3055	0	0	0	0	0
	Chilliwack Sport	0	274	0	0	0	141	841	0	0	0	0	0	0	0	0
Nicola/ Thompson Sport	Nicola/ Thompson Sport	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Comm. Net ³	49	300	118	66	13	2160	2433	1724	607	460	1342	2054	2110	233	563
	FN FSC ³	130	2914	1394	1651	428	7242	15704	8568	4159	3912	0	6574	3815	1693	620
US ISBM Fisheries	Troll	280 - 282	479	125	126 - 127	112 - 113	1336 - 1343	3619 - 3666	7027 - 7061	375 - 378	416 - 419	6934	9617	7868	1464	6458
	Net	0	0	27	0	12	724 - 728	867 - 878	2620 - 2633	450 - 454	832 - 839	895	990	971	39	1865
	Sport	103 - 104	0	89	0	24	1138 - 1679	1723 - 2367	3567 - 4607	390 - 1210	1487 - 1497	6114	4596	2817	1117	4548

Footnotes:

1. Canadian Ocean Net includes Juan de Fuca net, Johnstone Strait net, Northern net, Central net and WCVI net.
2. Canadian ocean troll includes Central and any other Canadian troll fisheries not listed.
3. The CWT data for all Fraser net fisheries was combined for the CTC CWT cohort analysis. The estimated CWT recoveries were used to prorate the CTC analysis into FN FSC and commercial categories for 2011-2016.
4. The CWT mortality estimates are provided for the Fraser River indicator stocks only. Spring and Summer 5₂ Fraser Chinook and non-Fraser-origin Chinook stocks that may be harvested in the fisheries are not represented here.
5. A range of harvest amounts are presented in some fisheries to address uncertainty around CWT recoveries with incomplete data. In these cases, estimated impacts can change depending on whether it is assumed that these fish were caught in a non-selective fishery or a mark-selective fishery.

Additional Fraser Chinook Background information

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Appendix 9: Summary of Average Landed catch of Chinook in Southern and Northern BC marine fisheries by area

Average landed catch of Chinook in Southern BC marine fisheries (Fraser River catch is not included)

Catch Years	SBC ISBM First Nations marine ¹	SBC ISBM Net	SBC ISBM Sport	SBC ISBM Troll (includes T'aad-wiihak)	WCVI AABM Troll (includes T'aad-wiihak)	-WCVI AABM Sport	-WCVI AABM First Nations	Fraser River FSC and EO (no demo)	Fraser River ISBM Rec	Fraser River ISBM Net	Total Catch
2013	2,202	8,859	91,956	0	43,043	61,712	3,955	15,961	2,527	5	230,220
2014	3,607	19,090	90,841	2,453	127,177	48,365	3,655	31,136	13,228	6,513	346,065
2015	8,976	10,053	125,921	1,032	60,572	48,775	3,946	23,734	13,186	104	296,299
2016	14,771	5,122	92,232	317	55,168	37,809	2,346	9,645	1,968	3	219,381
2017	19,619	30,413	119,996	1,598	47,534	46,705	3,919	16,361	2,322	0	288,467
2018	23,276	9,710	115,232	2,850	28,840	45,233	1,018	18,144	7,323	0	251,626

1

Includes Food, Social, Ceremonial (FSC) and Economic Opportunities (EO) fisheries.

²NBC Sport catches begin in 1977.

Average landed Catch of Chinook in Northern and Central BC marine fisheries (Transboundary catch are not included)

Catch Years	NBC ISBM First Nations	NBC ISBM Net ³	NBC ISBM Troll	NBC AABM Sport ² and Troll	Total Catch
2013	9,535	7,427	14,716	115,914	147,592
2014	12,434	4,915	20,677	221,001	259,027
2015	20,124	7,767	23,357	158,903	210,151
2016	9,051	4,454	15,602	190,180	219,287
2017	11,971	4,376	16,670	143,330	176,347
2018	12,190	5,162	24,361	106,976	148,689

³ Not including catch from Tyee Test Fishery

⁴ Not including non-tidal/freshwater catch

[illegible]

Return Timing
Timing is similar to spring small bodied
All past Albion by Mid August
Spawn early August to early October

Freshwater
Stream Type - Remain in freshwater for one year and migrate out as smolts in spring.

Ocean Migration
Migration is similar to spring small bodied group
Long CWT timeline – Dome Cr. (release group size is too small, ended in early 2000s)
Exception: Birkenhead are far north migrating. They remain on the continental shelf
and are therefore vulnerable to shelf fisheries.

Fisheries
All Spring Large Bodied are subject to same fisheries as Spring Small Bodied
Exception: Birkenhead are also caught in SE Alaska and North Coast troll

Age at Maturity
Age at return is between 4 and 6, the majority are 5 year olds
3 year old jacks possible.

Age at Maturity
Age at return is between 4 and 6, the majority are 5 year olds
3 year old jacks possible.

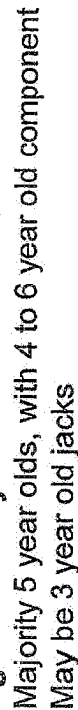
Systems

● Barriere, Cleanwater, Mahood, North Thompson

● Cariboo - Lower, Chilko, Elkin, Endako, Kazchek, Kuzkwa, Middle, Nechako, Quesnel, Seton, Stellako, Stuart, Tachie, Taseko

 Eagle

Portage Creek



Summer Ocean Type

Fraser River Summer Age 0.3 (4₁)

WSP Group CU's

Systems

Shuswap River Summer age 0.3

● Shuswap River – Lower (Indicator ★), Wap Shuswap River – Middle

STH Summer age 0.3

● Adams, Little River, Seymour, South Thompson, Thompson

Maria Slough

● Maria Slough

Return Timing

Begin returning past Albion in late June, peak in July and finish in late September

Arrive at terminal areas July through August

Spawn in September through to early November

Freshwater

Ocean type – migrate to ocean 60 to 150 days after emergence.

Majority migrate in July and August.

Ocean Migration

Far north migrating and resident on the shelf. Therefore vulnerable to ocean fisheries throughout ocean residence.

Fisheries

First Nations - in-river directed and sockeye bycatch

Recreational – Fraser and Thompson, North and South Coast.

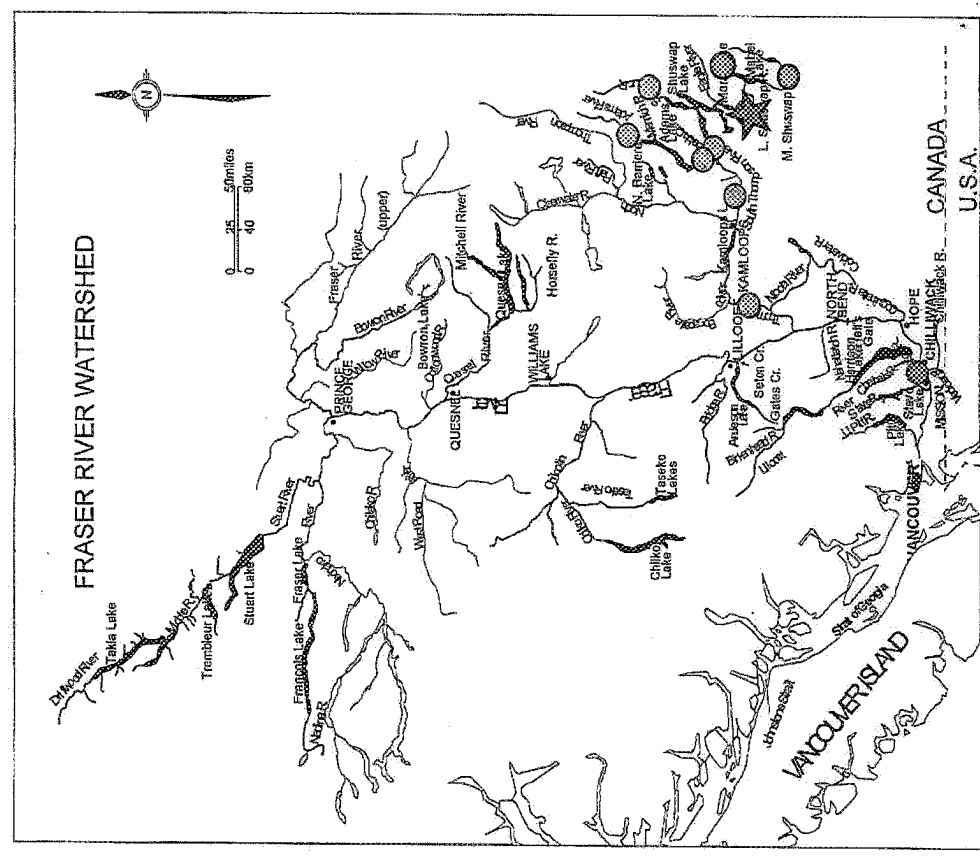
Commercial – Ocean troll and ocean and in-river sockeye bycatch

Age at Maturity

Return in the majority between 3 to 5 years of age.

Principally 4 year olds

Large 2 year old jack component



Return in the majority between 3 to 5 years of age.
Principally 4 year olds
Strong 2 year old returns

Table 1. Landed catch of Chinook salmon by the NBC Troll and QCI sport fisheries with Canadian management objectives and PST allocations, 1995 to 2018.

Year	PST ¹ Preseason AABM Ceiling	Total ² PST Catch	Canadian Domestic NBC Troll Ceiling	Ceiling Objective	Actual NBC Troll Catch (Areas 1to5) ³	QCI Sport Catch
1995	*	119,000	60,000	Conservation of WCVI chinook.	56,863	22,531
1996	*	27,000	0	Maximum protection of WCVI chinook.	15	670
1997	*	167,000	85,000 before September.	Reduced ER on WCVI chinook	86,787	27,738
1998	*	180,000	110,000 before September.	Reduce pre-1995 Canadian ER on WCVI chinook by 50%. Protect Skeena & Thompson coho.	116,407	34,130
1999	145,600	75,128	50,000 before September.	Reduce pre-1995 Canadian ER on WCVI chinook by 50%	44,572	30,227
2000	130,000	32,048	0 before September.	Protect WCVI chinook. Determine chinook stock composition in September	9,948	22,100
2001	132,600	43,500	0 before September.	<5% ER on WCVI chinook in Canada	13,100	30,400
2002	192,700	150,137	3,052 WCVI chinook ⁴	<10% ER in Canada, <1.5% ER by NBC troll	103,517	47,100
2003	197,100	191,657	6,811 WCVI chinook ⁵	10 to 15% ER in Canada, <number of chinook caught in 2002	137,357	54,300
2004	243,600	241,508	7,800 WCVI chinook ⁴	<15% ER in Canada <3.3% ER by NBC troll	167,508	74,000
2005	246,600	243,606	11,600 WCVI chinook ⁴	<15% ER in Canada ⁶ <3.3% ER by NBC troll	174,806	68,800
2006	223,200	215,985	6,344 WCVI chinook ⁴	<10% ER in Canada <-3.0% ER by NBC troll approximated by 3.2% HR on the return of WCVI Chinook to Canada	151,485	64,500
2007	178,000	144,235	6,827 WCVI chinook ⁴	Same as 2006.	83,235	61,000
2008	124,800	95,647	3,254 WCVI chinook ⁴	Same as 2006.	52,147	43,500
2009	143,000	109,470	2,860 WCVI chinook ⁴	Same as 2006.	75,470	34,000
2010	152,100	136,613	2,600 WCVI chinook ⁴	The IFMP was revised to call the target 3.2% of the relative portion for named fisheries of NBC Troll, QCI sport, WCVI sport and WCVI troll. (PR & CC sport excluded)	90,213	46,400
2011	182,400	122,660	3,477 WCVI chinook ⁴	Same as 2010.	74,660	48,000
2012	173,600	120,306	3,150 WCVI chinook ⁴	Same as 2010.	80,256	40,050
2013	143,000	115,914	1,800 WCVI chinook ⁴	Same as 2010.	69,264	46,650
2014	290,300	216,901	3.2% of WCVI RTC	Same as 2010.	172,001	44,900
2015	160,400	158,903	3.2% of WCVI RTC	Same as 2010.	106,703	52,200
2016	248,000	190,181	3.2% of WCVI RTC	Same as 2010.	147,381	42,800
2017	149,500	143,330	3.2% of WCVI RTC	Same as 2010.	97,730	45,600
2018	131,300	106,976	3.2% of WCVI RTC	Same as 2010.	70,276	36,700
2019	124,800					

¹ From 1993-1998, no formal agreement on catch limits was in place. In 1993 and 1994, Canada chose to fish to the pre-1993 ceiling; conservation concerns from 1995-1998 kept Canada's harvest well below this ceiling. Since 1999, catch allowance were developed annually through an abundance based management approach.

² Before 1999 catch includes Areas 1 to 10. Since 1999, catch reported includes only NBC troll landings in Areas 1 to 5 and QCI sport landings in Areas 1 and 2.

³ Area 1 to 5 troll data from fish slips up to 2000 then from combined hails & slips thereafter.

⁴ Ceiling calculated based on forecasted return and expected Alaskan harvest.

⁵ Ceiling based on same number of WCVI Chinook caught by the NBC Troll fishery in 2002.

⁶ The 2005 NBC Troll plan was developed with a pre-season management objective described as a maximum of 15% exploitation rate (ER) on WCVI by Canadian marine fisheries that was revised to 10% ER without adjustment to the 2005 troll fishery.

Table 2. NBC Troll fishery management targets and forecasts compared with actual harvests and returns as measured by genetic samples (DNA), CWT's and the HRE approach.

Year	Pre-season AI	Post-season AI	Pre-season NBC Troll TAC	Pre-season target ER ^b on WCVI	Pre-season target HR on WCVI RTC	WCVI pre-season target # fish	WCVI pre-season forecast RTC	WCVI Post-season RTC	WCVI post-season target	Actual Troll catch	Catch of WCVI from DNA # fish	Post-Season HR on RTC from DNA	Post-Season TMER from CWT's ^a	HR on WCVI RTC from HRE approach
2002	1.45	1.63	162,000	1.5%	1.8%	3,052	170,900	190,967	3,437	103,037	6,811	3.6%	3.8%	
2003	1.48	1.9	152,000	!	!	6,811	180,400	240,516	7,697	137,357	7,637	3.2%	0.8%	
2004	1.67	1.83	183,640	3.3%	3.6%	7,800	211,700	310,141	9,925	167,508	10,065	3.2%	2.7%	
2005	1.69	1.65	170,000	3.3%	3.7%	11,600	313,600	202,782	6,489	174,806	8,125	4.0%	3.1%	
2006	1.53	1.5	153,200	3.0%	3.2%	6,344	198,275	237,470	7,599	151,485	6,187	2.6%	2.6%	
2007	1.35	1.1	118,000	3.0%	3.2%	6,827	213,333	156,772	5,017	83,235	8,049	5.1%	5.3%	
2008	0.96	0.93	64,800	3.0%	3.2%	3,254	101,619	114,106	3,651	52,147	1,602	1.4%	2.6%	
2009	1.1	1.07	93,000	3.0%	3.2%	2,860	89,383	119,787	3,833	75,470	2,685	2.2%	2.1%	
2010	1.17	1.23	107,100	3.0%	3.2%	2,600	81,150	117,536	3,761	90,213	3,361	2.9%	3.1%	
2011	1.38	1.41	132,400		3.2%	3,477	108,650	220,557	7,058	74,663	5,318	2.4%	3.5%	
2012	1.32	1.15	125,600		3.2%	3,150	98,500	108,314	3,466	80,256	2,905	2.7%	3.0%	3.3%
2013	1.1	1.51	143,000	3.2%	3.2%	1,800	56,000	181,241	5,800	69,264	2,897	1.6%	1.1%	1.1%
2014	1.99	1.80	221,300	3.2%	3.2%	7,100	221,600	182,517	5,841	172,001	6,562	3.6%	2.7%	2.6%
2015	1.23	1.69	117,400	3.2%	3.2%	4,100	128,650	234,696	7,510	106,703	1,129	0.5%	0.4%	1.2%
2016	1.70	1.39	192,000	3.2%	3.2%	10,100	316,000	210,553	6,738	147,381	3,828	1.8%	2.0%	2.4%
2017	1.15	1.14	108,500	3.2%	3.2%	NA	NA	217,877	6,972	97,730	4,578	2.1%	1.8%	2.5%
2018	1.01	0.89	93,900	3.2%	3.2%	NA	NA	223,794	7,161	70,276	7,575	3.4%	4.4%	
2019	0.96		124,800											

^aFrom CTC distribution tables for Robertson Creek Fall (WCVI Hatchery and Natural) total fishing mortalities (TM) among fisheries and escapement, calibration 1803.

^bTotal mortality ER after 2013.

! target expressed as the same number of fish as caught in 2002 (=6,811 WCVI Chinook)

Table 3. NBC Troll Licensing and ITQ's.

Year	# Area F Salmon Troll licences issued	# Area F Salmon Troll licences used in ITQ allocations	# Licenced vessels that landed Chinook from Area F	Chinook ITQ per licence	Lic. in ITQ	Lic. in Derby	Licences inactive to ATP	Licences inactive to PICFI*	Quota unavailable due to inactive licences
1999	235				-	235			
2000	147				-	147			
2001	142		57?		-	142			
2002	146		94		-	146			
2003	154		120		-	154			
2004	159		140		-	159			
2005	168	168	146	1000	161	7			
2006	245	246	166	620	240	6			
2007	283 ^e	248	145	480	246	2			
2008	278	284	139	228	278	-	3	3	1,368
2009	268	284	147	327 (363) ^d	268	-	3	13	5,808
2010	263	284	145	377	263	-	3	19	8,294
2011	260	282	126	468	260	-	2	20	10,296
2012	261	282	156	445 (480) ^f	261	-		21	10,080
2013	213	258	125	399	213	-	10	23	13,167
2014	215	241	151	918 (1,001) ^g	215	-	3	18	21,021
2015	217	238	137	493	217	-	3	18	10,353
2016	228	239	136	803 (866) ^h	228	-	3	18	18,186
2017	220	241	142	454	220	-	3	18	9,534
2018		241	140	390			3	18	8,190

^d individual transferrable quotas revised in-season from 327 to 363 Chinook salmon per licence.

^e area selection occurred in 2007 after the salmon troll fisheries ended.

^f individual transferrable quotas revised in-season from 445 to 480 Chinook salmon per licence.

^g individual transferrable quotas revised in-season from 918 to 1,001 Chinook salmon per licence.

^h individual transferrable quotas revised in-season from 803 to 866 Chinook salmon per licence.

*preliminary

Table 5. NBC Troll catch by stock from Genetic Stock Identification 2007-2018.

Year	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
NBC AABM Troll Licences	283	278	268	263	260	262	258	241	238	241	241	241
NBC AABM Troll Catch*	83,235	52,147	75,470	90,213	74,660	80,256	69,264	172,001	106,700	147,381	97,730	70,276
DNA analyzed (Σ N)	1,326	1,569	2,129	1,875	1,734	2,875	1,337	2,155	1,897	2,271	2,071	1,931
DNA baseline size	268	268	268	281	300	298	310	310	296	295	302	303
Region¹	Total	STD	Total	STD	Total	STD	Total	STD	Total	STD	Total	STD
UPFR	458	(270)	135	(118)	239	(119)	64	(70)	232	(174)	150	(119)
MUFR	1,201	(392)	1,002	(237)	1,413	(281)	356	(171)	871	(328)	752	(256)
LWFR-F	378	(191)	92	(76)	295	(130)	1,422	(494)	156	(142)	140	(157)
NOTH	861	(294)	1,006	(248)	945	(229)	567	(194)	797	(287)	433	(172)
SOTH	28,120	(1166)	22,441	(740)	17,648	(740)	13,626	(786)	20,805	(1109)	30,881	(1057)
LWTH	29	(76)	26	(29)	101	(80)	72	(56)	321	(174)	0	(22)
ECVI	1,665	(390)	713	(182)	1,004	(231)	805	(207)	496	(285)	881	(264)
WCVI	8,049	(698)	1,602	(267)	2,685	(324)	2,905	(332)	1,128	(301)	3,842	(501)
SOMN	361	(213)	16	(45)	411	(157)	483	(151)	81	(175)	150	(110)
NOMN	1,154	(377)	689	(220)	1,635	(330)	1,572	(290)	1,285	(342)	1,863	(385)
NASS	588	(287)	45	(63)	274	(139)	180	(140)	424	(218)	81	(89)
LWFR-Sp	206	(118)	39	(36)	179	(112)	109	(88)	17	(42)	210	(111)
LWFR-Su	107	(78)	78	(48)	232	(100)	159	(81)	212	(152)	40	(41)
OCI	1,204	(269)	208	(95)	329	(113)	196	(88)	108	(91)	48	(58)
Alaska	22	(70)	35	(40)	12	(39)	7	(36)	2	(29)	110	(75)
Taku	44	(93)	12	(37)	79	(136)	14	(46)	19	(66)	76	(105)
Sitkine	482	(277)	194	(163)	362	(202)	421	(169)	79	(112)	68	(99)
Skeena	4,000	(828)	1,357	(420)	3,313	(587)	2,256	(237)	2,035	(687)	1,152	(305)
Alsek	3	(33)	25	(42)	32	(34)	1	(23)	1	(25)	31	(32)
Unuk River	87	(172)	236	(139)	528	(213)	619	(184)	506	(230)	1,390	(296)
Puget Sound	996	(311)	214	(109)	623	(176)	171	(109)	44	(45)	253	(139)
Juan de Fuca	33	(70)	1	(10)	61	(54)	1	(10)	11,962	(1090)	7,998	(674)
Coastal_Wash	3,049	(595)	3,631	(521)	5,668	(675)	11,905	(705)	3,116	(558)	2,161	(388)
Low_Col	1,050	(314)	746	(207)	1,234	(250)	1,644	(296)	8	(27)	0	(16)
Up_Col-Sp	1	(34)	7	(18)	0	(15)	0	(17)	0	(27)	0	(16)
Up_Col-Su/F	9,127	(833)	8,686	(588)	15,890	(801)	17,626	(819)	44,631	(1459)	20,173	(1042)
Snake-Sp/Su	165	(171)	134	(153)	22	(57)	6	(37)	73	(204)	18	(40)
Snake-F	1,510	(453)	1,018	(292)	2,556	(504)	773	(341)	808	(594)	4,194	(678)
North_ & Central_O	13,058	(1003)	5,711	(592)	13,763	(1010)	14,066	(780)	12,937	(1163)	14,247	(904)
South_Oregon_coas	4,200	(675)	1,759	(412)	3,380	(629)	3,252	(448)	2,329	(589)	3,212	(574)
Klamath/Trinity	37	(65)	31	(68)	75	(66)	9	(32)	15	(38)	5	(28)
Mid_Col-Sp	239	(188)	57	(102)	12	(42)	188	(115)	22	(62)	58	(97)
Up_Willamette	723	(283)	92	(76)	608	(186)	1,304	(249)	1,134	(370)	1,776	(392)
Cent_Val-F	6	(57)	90	(77)	36	(60)	3	(32)	39	(83)	60	(64)
Cent_Val-Sp	24	(91)	17	(34)	1	(16)	10	(25)	7	(35)	96	(78)
Coastal_Californi	1	(16)	0	(8)	1	(11)	0	(11)	0	(10)	0	(8)
	83,235	52,147	75,470	90,213	74,660	80,256	69,264	172,001	106,700	147,381	97,730	70,276

Table 6. NBC Troll stock proportions from Genetic Stock Identification 2007-2018.

Year	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
NBC AABM Troll Licences	283	278	268	263	260	262	258	241	238	238	241	241
NBC AABM Troll Catch*	83,235	52,147	75,470	90,213	74,660	80,256	69,264	172,001	106,700	147,381	97,730	70,276
DNA analyzed (Σ N)	1,326	1,569	2,129	1,875	1,734	2,875	1,337	2,155	1,897	2,271	2,071	1,931
DNA baseline size	268	268	268	281	300	298	310	310	296	295	302	303
Region1	Total	STD	Total	STD	Total	STD	Total	STD	Total	STD	Total	STD
UPFR	0.6% (0.3%)	0.3% (0.2%)	0.3% (0.2%)	0.5% (0.2%)	0.1% (0.1%)	0.1% (0.1%)	0.2% (0.1%)	0.1% (0.1%)	0.2% (0.2%)	0.1% (0.1%)	0.2% (0.1%)	0.1% (0.1%)
MJFR	1.4% (0.5%)	1.9% (0.5%)	1.9% (0.4%)	1.1% (0.3%)	0.4% (0.2%)	0.5% (0.2%)	0.5% (0.2%)	1.3% (0.2%)	0.8% (0.3%)	0.6% (0.2%)	0.8% (0.3%)	0.7% (0.2%)
NWFR-F	0.5% (0.2%)	0.2% (0.1%)	0.4% (0.2%)	0.1% (0.1%)	0.5% (0.2%)	0.0% (0.1%)	2.1% (0.7%)	0.4% (0.2%)	0.1% (0.1%)	0.2% (0.1%)	0.1% (0.1%)	0.6% (0.2%)
NOTH	1.0% (0.4%)	1.9% (0.5%)	1.3% (0.3%)	0.6% (0.2%)	0.9% (0.3%)	1.1% (0.3%)	0.8% (0.3%)	0.4% (0.1%)	0.7% (0.3%)	0.3% (0.2%)	0.4% (0.2%)	0.4% (0.2%)
SOIH	33.8% (1.4%)	43.0% (1.4%)	23.4% (1.0%)	42.6% (1.2%)	26.0% (1.1%)	22.5% (1.0%)	19.7% (1.1%)	15.1% (0.5%)	19.5% (1.0%)	18.5% (0.9%)	31.6% (1.1%)	18.8% (0.9%)
LEWTH	0.0% (0.1%)	0.0% (0.1%)	0.1% (0.1%)	0.1% (0.1%)	0.0% (0.0%)	0.1% (0.1%)	0.0% (0.0%)	0.2% (0.0%)	0.3% (0.2%)	0.0% (0.1%)	0.0% (0.0%)	0.0% (0.0%)
ECVI	2.0% (0.5%)	1.4% (0.3%)	1.3% (0.3%)	1.2% (0.3%)	0.5% (0.3%)	1.0% (0.3%)	0.4% (0.2%)	0.4% (0.1%)	0.5% (0.3%)	0.6% (0.2%)	1.4% (0.4%)	1.6% (0.3%)
WCVI	9.7% (0.8%)	3.1% (0.5%)	3.6% (0.4%)	3.7% (0.5%)	7.1% (0.4%)	3.6% (0.3%)	4.2% (0.6%)	3.8% (0.2%)	1.1% (0.3%)	2.6% (0.3%)	4.7% (0.5%)	10.9% (0.8%)
SOMN	0.4% (0.3%)	0.0% (0.1%)	0.5% (0.2%)	0.0% (0.1%)	0.4% (0.3%)	0.6% (0.2%)	0.3% (0.2%)	0.3% (0.1%)	0.1% (0.2%)	0.1% (0.1%)	0.6% (0.2%)	0.1% (0.1%)
NOMN	1.4% (0.5%)	1.3% (0.4%)	2.2% (0.4%)	2.0% (0.4%)	2.0% (0.5%)	2.0% (0.4%)	2.2% (0.5%)	1.5% (0.2%)	1.2% (0.3%)	1.3% (0.3%)	1.6% (0.3%)	1.2% (0.3%)
NASS	0.7% (0.3%)	0.1% (0.1%)	0.4% (0.2%)	0.3% (0.2%)	0.5% (0.2%)	0.5% (0.2%)	0.3% (0.2%)	0.0% (0.0%)	0.4% (0.2%)	0.1% (0.1%)	0.2% (0.1%)	0.2% (0.1%)
NWFR-Sp	0.2% (0.1%)	0.1% (0.1%)	0.0% (0.0%)	0.2% (0.1%)	0.1% (0.1%)	0.1% (0.1%)	0.0% (0.0%)	0.1% (0.0%)	0.0% (0.0%)	0.1% (0.1%)	0.2% (0.1%)	0.0% (0.0%)
NWFR-Su	0.1% (0.1%)	0.1% (0.1%)	0.3% (0.1%)	0.2% (0.1%)	0.0% (0.1%)	0.2% (0.1%)	0.3% (0.2%)	0.1% (0.0%)	0.2% (0.1%)	0.1% (0.1%)	0.0% (0.0%)	0.1% (0.1%)
OCI	1.4% (0.3%)	0.4% (0.2%)	0.4% (0.1%)	0.5% (0.2%)	0.1% (0.1%)	0.2% (0.1%)	0.2% (0.1%)	0.4% (0.1%)	0.1% (0.1%)	0.1% (0.1%)	0.0% (0.0%)	0.4% (0.1%)
Alaska	0.0% (0.1%)	0.1% (0.1%)	0.0% (0.1%)	0.0% (0.1%)	0.0% (0.1%)	0.0% (0.0%)	0.0% (0.0%)	0.0% (0.0%)	0.0% (0.0%)	0.1% (0.1%)	0.0% (0.1%)	0.1% (0.1%)
Taku	0.1% (0.1%)	0.0% (0.1%)	0.1% (0.2%)	0.1% (0.1%)	1.0% (0.5%)	0.0% (0.1%)	0.1% (0.1%)	0.1% (0.1%)	0.0% (0.0%)	0.1% (0.1%)	0.1% (0.1%)	0.1% (0.1%)
Sitkine	0.6% (0.3%)	0.4% (0.3%)	0.5% (0.3%)	0.2% (0.2%)	0.0% (0.1%)	0.5% (0.2%)	0.1% (0.2%)	0.1% (0.1%)	0.1% (0.1%)	0.1% (0.1%)	0.1% (0.1%)	0.6% (0.3%)
Skeena	4.8% (1.0%)	2.6% (0.8%)	4.4% (0.8%)	2.0% (0.6%)	2.0% (0.6%)	2.8% (0.3%)	2.1% (0.9%)	1.1% (0.2%)	1.9% (0.6%)	1.0% (0.3%)	1.2% (0.3%)	1.4% (0.3%)
Alesek	0.0% (0.0%)	0.0% (0.1%)	0.0% (0.0%)	0.0% (0.0%)	0.0% (0.0%)	0.0% (0.0%)	0.0% (0.0%)	0.0% (0.0%)	0.0% (0.0%)	0.0% (0.0%)	0.0% (0.0%)	0.9% (0.3%)
Unuk_River	0.1% (0.2%)	0.5% (0.3%)	0.7% (0.3%)	0.0% (0.0%)	0.0% (0.0%)	0.0% (0.0%)	0.0% (0.0%)	0.0% (0.0%)	0.0% (0.0%)	0.0% (0.0%)	0.0% (0.0%)	0.0% (0.0%)
Puget_Sound	1.2% (0.4%)	0.4% (0.2%)	0.8% (0.2%)	0.2% (0.1%)	0.1% (0.1%)	0.8% (0.2%)	0.5% (0.2%)	0.6% (0.1%)	0.5% (0.2%)	0.8% (0.2%)	1.4% (0.3%)	2.1% (0.4%)
Juan_de_Fuca	0.0% (0.1%)	0.0% (0.0%)	0.1% (0.1%)	0.0% (0.0%)	0.1% (0.1%)	0.0% (0.0%)	0.1% (0.1%)	0.0% (0.0%)	0.0% (0.0%)	0.0% (0.0%)	0.3% (0.1%)	0.2% (0.1%)
Coastal_Wash	3.7% (0.7%)	7.0% (1.0%)	7.5% (0.9%)	8.4% (0.8%)	7.3% (6.6%)	14.8% (0.9%)	8.2% (0.9%)	9.7% (0.5%)	11.2% (1.0%)	7.7% (0.7%)	8.2% (0.7%)	17.8% (1.0%)
Low_Col	1.3% (0.4%)	1.4% (0.4%)	1.6% (0.3%)	1.0% (0.3%)	1.2% (0.4%)	2.0% (0.4%)	0.5% (0.3%)	2.9% (0.3%)	2.9% (0.5%)	3.8% (0.5%)	2.2% (0.4%)	2.9% (0.4%)
Up_Col-Sp	0.0% (0.0%)	0.0% (0.0%)	0.0% (0.0%)	0.0% (0.0%)	0.0% (0.0%)	0.0% (0.0%)	0.0% (0.0%)	0.1% (0.0%)	0.0% (0.0%)	0.0% (0.0%)	0.0% (0.0%)	0.0% (0.0%)
Up_Col-Su/F	11.0% (1.0%)	16.7% (1.1%)	21.1% (1.1%)	11.6% (0.9%)	15.8% (1.1%)	22.0% (1.0%)	31.5% (1.4%)	44.3% (0.7%)	41.8% (1.4%)	32.2% (1.3%)	20.6% (1.1%)	15.0% (0.9%)
Snake-Sp/Su	0.2% (0.2%)	0.3% (0.3%)	0.0% (0.1%)	0.4% (0.3%)	2.9% (5.8%)	0.0% (0.0%)	0.3% (0.5%)	3.1% (0.4%)	0.1% (0.2%)	0.1% (0.1%)	0.0% (0.0%)	0.4% (0.2%)
Snake-F	1.8% (0.5%)	2.0% (0.6%)	3.4% (0.7%)	1.4% (0.5%)	3.2% (0.6%)	1.0% (0.4%)	0.8% (0.5%)	1.7% (0.2%)	0.8% (0.6%)	5.6% (0.8%)	4.3% (0.7%)	2.2% (0.5%)
North_& Central_O	15.7% (1.2%)	11.0% (1.1%)	18.2% (1.3%)	15.1% (1.0%)	22.0% (6.9%)	17.5% (1.0%)	21.1% (1.3%)	8.3% (0.4%)	12.1% (1.1%)	20.3% (1.0%)	14.6% (0.9%)	16.5% (1.0%)
South_Oregon_coas	5.0% (0.8%)	3.4% (0.8%)	4.5% (0.8%)	4.5% (0.7%)	4.5% (0.7%)	4.1% (0.6%)	3.1% (0.7%)	3.1% (0.3%)	2.2% (0.6%)	3.0% (0.5%)	3.3% (0.6%)	4.3% (0.6%)
Klamath/Trinity	0.0% (0.1%)	0.1% (0.1%)	0.1% (0.1%)	0.0% (0.0%)	0.0% (0.0%)	0.0% (0.0%)	0.0% (0.0%)	0.0% (0.0%)	0.0% (0.0%)	0.0% (0.0%)	0.0% (0.0%)	0.0% (0.0%)
Mid_Col-Sp	0.3% (0.2%)	0.1% (0.2%)	0.0% (0.1%)	0.1% (0.1%)	0.1% (0.1%)	0.2% (0.1%)	0.0% (0.0%)	0.0% (0.0%)	0.0% (0.1%)	0.1% (0.1%)	0.1% (0.1%)	0.0% (0.1%)
Up_Willamette	0.9% (0.3%)	0.2% (0.1%)	0.8% (0.2%)	1.9% (0.4%)	1.1% (0.3%)	1.6% (0.3%)	0.3% (0.2%)	1.0% (0.2%)	1.1% (0.3%)	0.5% (0.2%)	1.8% (0.4%)	0.6% (0.2%)
Cent_Val-F	0.0% (0.1%)	0.2% (0.1%)	0.0% (0.1%)	0.0% (0.1%)	0.0% (0.0%)	0.0% (0.0%)	0.0% (0.1%)	0.0% (0.0%)	0.0% (0.1%)	0.0% (0.1%)	0.1% (0.1%)	0.0% (0.0%)
Cent_Val-Sp	0.0% (0.1%)	0.0% (0.1%)	0.0% (0.0%)	0.0% (0.0%)	0.0% (0.0%)	0.0% (0.0%)	0.0% (0.0%)	0.0% (0.0%)	0.0% (0.0%)	0.0% (0.0%)	0.1% (0.1%)	0.0% (0.0%)
Coastal_Californi	0.0% (0.0%)	0.0% (0.0%)	0.0% (0.0%)	0.0% (0.0%)	0.0% (0.0%)	0.0% (0.0%)	0.0% (0.1%)	0.0% (0.0%)	0.0% (0.0%)	0.0% (0.0%)	0.0% (0.0%)	0.0% (0.0%)

Opening dates	NBC AABM Troll Catch	DNA analyzed (ΣN)	% of catch sampled
June 15 to August 17, 201 Year			
June 20 to August 8, 2002	103,038	934	0.9%
August 28 to September 3, 2003	137,357	1775	1.3%
June 15 to August 3, 2004	167,508	1911	1.1%
August 22 to September 3, 2005	174,806	2496	1.4%
June 15 to August 8, 2006	151,485	2522	1.7%
June 9 to 21, 2007	83,235	1326	1.6%
June 21 to July 15, 2008	52,147	1569	3.0%
July 20 to August 11, 2009	75,470	2129	2.8%
September 4 to 30, 2010	90,213	1875	2.1%
June 21 to July 7, 2011	74,660	1734	2.3%
June 21 to August 4, 2012	80,256	2875	3.6%
September 1 to 30, 2013	69,264	1337	1.9%
June 18 to July 31, 2014	172,001	2155	1.3%
August 25 to September 3, 2015	106,700	1897	1.8%
June 21 to August 1, 2016	147,381	2271	1.5%
August 25 to September 3, 2017	97,730	2,071	2.1%
June 21 to August 4, 2018	70,276	1,931	2.7%
August 25 to September 30, 2017			
July 10 to August 6, 2018 Average	109,031	1,930	2.0%
August 20 to September 30, 2018			

* all Chinook catch was assigned to DNA samples from 2007 to 2018												
Year	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
NBC AABM Troll Licences	283	278	268	263	260	262	258	238	238	241		
83,235 DNA analyzed (Σ N)	1,326	1,517	1,229	1,875	1,734	2,875	1,337	172,001	106,700	147,381	97,730	70,276
DNA baseline size	268	268	268	281	300	298	310	310	296	295	302	303
Code/Region1	Total	STD	Total	STD	Total	STD	Total	STD	Total	STD	Total	STD
1 UPRR	458	(270)	135	(118)	239	(119)	449	(178)	77	(87)	64	(70)
2 MURR	1,201	(392)	1,002	(237)	1,413	(281)	977	(282)	291	(180)	420	(192)
3 LWRH-F	378	(191)	92	(76)	295	(130)	72	(73)	352	(180)	37	(51)
4 NOTH	861	(294)	1,006	(248)	945	(229)	567	(194)	672	(215)	890	(236)
5 SOTH	28,120	(1166)	22,441	(740)	17,648	(740)	38,459	(1075)	19,442	(848)	18,018	(764)
6 LWRH	29	(70)	26	(29)	101	(80)	129	(95)	3	(29)	72	(56)
7 ECVI	1,665	(390)	713	(182)	1,004	(231)	1,052	(256)	397	(203)	805	(207)
8 WCVI	8,049	(698)	1,602	(267)	2,685	(324)	3,361	(419)	5,318	(489)	2,905	(332)
9 SOMN	361	(213)	16	(45)	411	(157)	41	(75)	272	(193)	483	(151)
10 NOMN	1,154	(377)	689	(220)	1,635	(330)	1,768	(389)	1,479	(341)	1,572	(290)
11 NASS	588	(287)	45	(63)	274	(139)	268	(171)	383	(167)	422	(143)
12 LWRH-Sp	206	(118)	39	(36)	0	(14)	179	(112)	46	(59)	109	(88)
13 LWRH-Su	107	(78)	78	(48)	232	(100)	91	(67)	30	(37)	159	(81)
14 QCI	1,204	(269)	208	(95)	329	(113)	463	(148)	91	(68)	196	(88)
15 Alaska	22	(70)	35	(40)	12	(39)	28	(63)	7	(33)	7	(18)
17 Taku	44	(93)	12	(37)	79	(138)	49	(97)	712	(368)	14	(46)
18 Sitkine	482	(277)	194	(163)	362	(202)	195	(136)	31	(66)	421	(169)
19-23 Skeena	4,000	(828)	1,357	(420)	3,313	(587)	1,826	(560)	1,484	(435)	2,256	(237)
24 Alsek	3	(33)	25	(42)	32	(34)	0	(16)	0	(19)	1	(23)
25 Unuk River	87	(172)	236	(139)	528	(213)	171	(109)	50	(87)	619	(184)
50 Puget Sound	996	(311)	214	(109)	623	(178)	0	(10)	45	(50)	1	(10)
51 Juan de Fuca	33	(70)	1	(10)	61	(54)	0	(10)	45	(50)	1	(10)
52 Coastal Wash	3,049	(595)	3,631	(621)	5,668	(675)	7,543	(726)	5,453	(489)	11,905	(705)
53 Low Col	1,050	(314)	746	(207)	1,234	(250)	905	(304)	870	(305)	1,644	(296)
54 Up Col-Sp	1	(34)	7	(18)	0	(15)	10	(34)	2	(22)	0	(17)
55 Up Col-Su/F	9,127	(833)	8,686	(588)	15,890	(801)	10,482	(812)	11,808	(810)	17,626	(819)
56 Snake-Sp/Su	165	(171)	134	(153)	22	(57)	322	(256)	2,186	(4305)	6	(37)
57 Snake-F	1,510	(453)	1,018	(292)	2,556	(504)	1,267	(471)	2,366	(471)	773	(341)
58 North & Central O	13,058	(1003)	5,711	(592)	13,763	(1010)	13,614	(914)	16,462	(5155)	14,066	(780)
59 South Oregon coas	4,200	(675)	1,759	(412)	3,380	(629)	4,046	(594)	3,397	(559)	3,252	(448)
61 Klamath/rmity	37	(65)	31	(68)	75	(66)	1	(15)	1	(18)	9	(32)
62 Mid Col-Sp	239	(188)	57	(102)	12	(42)	98	(100)	108	(140)	188	(115)
63 Up Willamette	723	(283)	92	(76)	608	(188)	1,758	(346)	820	(241)	1,304	(249)
64 Cent Val-F	6	(57)	90	(77)	36	(60)	18	(54)	3	(32)	3	(32)
65 Cent Val-Sp	24	(91)	17	(34)	1	(16)	1	(16)	2	(21)	10	(25)
66 Coastal Californi	1	(16)	0	(8)	1	(11)	0	(8)	0	(7)	0	(11)
Total	83,235		52,147		75,470		90,213		74,660		80,256	
								172,001	106,700	147,381	97,730	70,276

Year	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	
NBC AABM Troll Licences	283	278	268	263	260	262	258	241	238	238	241	241	
NBC AABM Troll Catch*	83,235	52,147	75,470	90,213	74,660	80,256	69,264	172,001	106,700	147,381	97,730	70,276	
DNA analyzed (£ N)	1,326	1,569	2,129	1,875	1,734	2,875	1,337	2,155	1,897	2,271	2,071	1,931	
DNA baseline size	268	268	268	281	300	298	310	310	297	295	302	303	
Code Region1	Total	STD	STD	STD	STD	STD	STD	STD	STD	STD	STD	STD	Average 2007-14
1 UPR	0.6%	0.3%	0.2%	0.5%	0.1%	0.1%	0.2%	0.1%	0.2%	0.1%	0.2%	0.1%	0.3%
2 IMFR	1.4%	1.9%	0.4%	1.1%	0.4%	0.5%	0.5%	1.3%	0.8%	0.6%	0.8%	0.7%	1.1%
3 IMFR-F	0.5%	0.2%	0.1%	0.1%	0.5%	0.2%	0.2%	0.4%	0.1%	0.2%	0.1%	0.6%	0.5%
4 NOTH	1.0%	1.9%	0.6%	0.6%	0.9%	1.1%	0.9%	0.4%	0.7%	0.3%	0.4%	0.4%	1.0%
5 SOTH	33.8%	43.0%	23.4%	42.6%	26.0%	22.5%	19.7%	15.1%	19.5%	18.5%	31.6%	18.8%	28.3%
6 LWTH	0.0%	0.1%	0.1%	0.1%	0.0%	0.1%	0.0%	0.0%	0.3%	0.0%	0.0%	0.0%	0.1%
7 ECVI	2.0%	1.4%	1.3%	1.2%	0.3%	1.0%	0.4%	0.4%	0.5%	0.6%	1.4%	0.6%	1.0%
8 WCVI	9.7%	3.1%	3.8%	3.7%	7.1%	3.6%	4.3%	3.8%	1.1%	2.6%	4.7%	10.9%	4.8%
9 SOMN	0.4%	0.0%	0.5%	0.0%	0.1%	0.6%	0.2%	0.3%	0.1%	0.1%	0.6%	0.1%	0.3%
10 NOMN	1.4%	1.3%	2.2%	2.0%	2.0%	2.0%	2.2%	1.5%	1.2%	1.3%	1.6%	1.2%	1.8%
11 INASS	0.7%	0.1%	0.2%	0.3%	0.5%	0.5%	0.3%	0.0%	0.4%	0.1%	0.0%	0.2%	0.4%
12 LWFR-Sp	0.2%	0.1%	0.0%	0.2%	0.1%	0.1%	0.0%	0.1%	0.0%	0.1%	0.2%	0.0%	0.1%
13 LWFR-Su	0.1%	0.1%	0.3%	0.1%	0.1%	0.2%	0.3%	0.1%	0.2%	0.0%	0.0%	0.1%	0.2%
14 QCI	1.4%	0.4%	0.4%	0.5%	0.1%	0.2%	0.2%	0.4%	0.1%	0.1%	0.0%	0.4%	0.5%
15 Alaska	0.0%	0.1%	0.0%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.1%	0.1%	0.1%	0.0%
17 Taku	0.1%	0.0%	0.1%	0.1%	1.0%	0.0%	0.1%	0.1%	0.0%	0.1%	0.1%	0.0%	0.2%
18 Sitkine	0.6%	0.4%	0.3%	0.2%	0.0%	0.5%	0.1%	0.1%	0.1%	0.1%	0.1%	0.6%	0.3%
19-23 Skeena	4.8%	2.6%	4.4%	2.0%	2.0%	2.8%	2.1%	1.1%	1.9%	1.0%	1.2%	1.4%	2.7%
24 Alsek	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
25 Unuk River	0.1%	0.5%	0.7%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.9%	0.4%
50 Puget Sound	1.2%	0.4%	0.8%	0.2%	0.1%	0.8%	0.5%	0.6%	0.5%	0.8%	1.4%	2.1%	0.6%
51 Juan de Fuca	0.0%	0.0%	0.1%	0.0%	0.1%	0.0%	0.1%	0.0%	0.0%	0.0%	0.3%	0.2%	0.0%
52 Coastal Wash	3.7%	7.0%	7.5%	8.4%	7.3%	14.8%	8.2%	9.7%	11.2%	7.7%	8.2%	17.8%	8.3%
53 Low Col	1.3%	1.4%	1.8%	1.0%	1.2%	2.0%	0.5%	2.8%	2.9%	3.8%	2.2%	2.9%	1.5%
54 Up Col-Sp	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%
55 Up Col-SuF	11.0%	16.7%	21.1%	11.6%	15.8%	22.0%	31.5%	44.3%	41.8%	32.2%	20.6%	15.0%	21.7%
56 Snake-Sp/Su	0.2%	0.3%	0.0%	0.4%	2.9%	0.0%	0.3%	3.1%	0.1%	0.1%	0.0%	0.4%	0.9%
57 Snake-F	1.8%	2.0%	3.4%	1.4%	3.2%	1.0%	0.8%	1.7%	0.8%	5.6%	4.3%	2.2%	1.9%
58 North & Central O	15.7%	11.0%	18.2%	15.1%	22.0%	17.5%	21.1%	8.3%	12.1%	20.3%	14.3%	16.5%	16.1%
59 South Oregon coas	5.0%	3.4%	4.5%	4.5%	4.5%	4.1%	3.1%	3.1%	2.2%	3.0%	3.3%	4.3%	4.0%
61 Klamath-Trinity	0.0%	0.1%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
62 Mid Col-Sp	0.3%	0.1%	0.0%	0.1%	0.1%	0.2%	0.0%	0.0%	0.0%	0.1%	0.1%	0.0%	0.1%
63 Up Willamette	0.9%	0.2%	0.8%	1.9%	1.1%	1.6%	0.3%	1.0%	1.1%	0.5%	1.6%	0.6%	1.0%
64 Cent Val-F	0.0%	0.2%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.1%	0.0%	0.0%
65 Cent Val-Sp	0.0%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.1%	0.0%	0.0%
66 Coastal_Californi	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Total	1	1	1	1	1	1	1	1	1	1	1	1	

Chilliwack River Fall

Table C... Percent distribution of Chilliwack River Fall (Fraser Late) AECQ total fishing mortalities and escapement.

Catch Year	Est # of CWT	Ages	AABM Fishery			CDN ISBM Other T, N			Fraser Nelson BC Stran de Ful			Canada Freshwater			ESCAPEMENT	
			SEAK T,N,S	NBC-WCVI T	S	T, N	nside-off	N	Fraser Nelson BC Stran de Ful T, S, N	N	S	STRAYS	Esc.			
1979	NA		-	-	-	-	-	-	-	-	-	-	-	-	-	-
1980	NA		-	-	-	-	-	-	-	-	-	-	-	-	-	-
1981	NA		-	-	-	-	-	-	-	-	-	-	-	-	-	-
1982	NA		-	-	-	-	-	-	-	-	-	-	-	-	-	-
1983	3194	2														
1984	4646	2,3	0.0	27.0	0.1	19.9	0.0	2.9	21.8	0.6	5.8	0.0	1.4	0.3	20.3	
1985	2351	2,3,4	1.1	33.0	0.0	12.5	0.0	1.9	20.9	0.4	11.9	0.0	1.0	4.8	12.5	
1986	2149	2,3,4,5	0.0	21.0	0.0	18.3	0.0	6.9	18.5	0.0	14.1	0.0	1.3	1.1	18.8	
1987	2709	2,3,4,5	0.0	19.5	0.5	17.2	0.0	1.8	18.6	0.0	10.0	0.0	1.1	1.9	29.3	
1988	2450	2,3,4,5	0.5	17.8	0.0	7.0	0.0	3.1	12.8	0.0	9.6	0.0	2.4	2.3	44.5	
1989	1304	2,3,4,5	0.2	23.1	0.0	4.1	0.0	1.2	19.9	0.5	10.0	0.0	0.5	2.1	38.3	
1990	1724	2,3,4,5	0.9	10.8	2.1	6.8	0.0	0.0	16.8	0.3	23.5	1.8	1.1	4.2	31.4	
1991	3103	2,3,4,5	0.3	19.8	0.5	12.0	0.2	0.0	15.5	0.5	22.9	2.4	1.5	1.0	23.5	
1992	4221	2,3,4,5	0.3	19.9	0.1	8.3	0.0	0.0	10.2	0.5	13.0	0.5	1.1	1.5	44.6	
1993	2027	2,3,4,5	0.2	13.0	0.3	8.1	0.0	0.0	7.0	0.1	8.5	1.3	2.0	2.1	57.4	
1994	719	2,3,4,5	0.7	9.3	0.0	9.6	2.6	0.0	7.1	0.4	10.8	1.5	5.8	0.0	52.0	
1995	2213	2,3,4,5	0.0	12.7	0.5	1.2	0.0	0.0	8.1	0.0	4.6	1.9	1.0	0.0	70.0	
1996	1769	2,3,4,5	0.2	2.0	0.4	1.3	0.0	0.0	20.5	1.3	9.6	0.8	2.5	0.1	61.3	
1997	2409	2,3,4,5	0.5	12.9	0.9	1.5	1.1	0.0	15.2	0.2	11.0	2.6	2.5	0.0	51.7	
1998	3196	2,3,4,5	0.5	0.2	0.0	0.0	0.6	0.0	3.8	0.3	4.4	0.2	1.3	0.5	88.4	
1999	3370	2,3,4,5	0.1	0.5	1.4	0.0	0.4	0.0	10.6	0.3	15.0	0.4	1.6	0.3	69.3	
2000	3582	2,3,4,5	0.1	4.4	1.9	0.0	0.5	0.0	3.3	0.3	4.4	0.0	1.8	0.0	83.3	
2001	3475	2,3,4,5	0.1	4.4	1.9	0.0	0.2	0.0	11.3	0.3	15.0	0.2	15.5	0.0	51.0	
2002	5136	2,3,4,5	0.3	8.3	4.3	0.1	0.8	0.0	4.1	0.2	11.4	0.6	5.2	0.0	64.7	
2003	4945	2,3,4,5	0.1	5.4	2.2	0.0	0.6	0.0	2.6	0.5	9.9	0.3	6.1	5.6	66.7	
2004	6874	2,3,4,5	0.0	7.1	2.3	0.0	0.0	0.0	1.9	0.3	8.1	0.7	4.6	0.4	76.2	
2005	4298	2,3,4,5	0.1	5.1	3.0	0.1	1.4	0.0	2.0	1.4	6.0	3.2	5.6	0.0	70.1	
2006	2743	2,3,4,5	0.0	8.3	2.2	0.0	0.1	0.0	1.3	1.1	5.2	0.6	4.8	1.0	75.5	
2007	2431	2,3,4,5	0.0	6.5	2.4	0.0	0.0	0.0	1.4	0.0	3.8	1.9	4.8	0.1	79.1	
2008	2860	2,3,4,5	0.3	10.9	3.8	0.1	1.0	0.0	2.2	0.0	9.2	0.9	9.5	0.6	61.4	
2009	2986	2,3,4,5	0.0	1.7	2.4	0.0	0.8	0.0	2.9	0.9	5.1	3.3	14.0	1.3	67.5	
2010	6393	2,3,4,5	0.3	2.7	2.4	0.0	0.2	0.0	4.5	1.6	6.7	1.4	6.2	0.6	73.5	
2011	5881	2,3,4,5	0.0	3.8	2.4	0.0	0.6	0.9	2.8	0.6	5.4	0.7	3.0	0.0	79.8	
2012	5613	2,3,4,5	0.0	1.1	1.4	0.0	0.2	0.2	11.0	0.4	13.9	0.3	5.4	0.0	66.2	
2013	13046	2,3,4,5	0.1	2.5	2.3	0.0	0.1	1.0	8.9	1.3	10.3	1.3	5.7	0.3	66.3	
2014	11959	2,3,4,5	0.1	1.4	1.2	0.1	0.3	2.3	10.2	1.1	7.0	1.3	3.8	0.3	70.8	
2015	6325	2,3,4,5	0.0	0.5	0.6	0.0	0.1	1.1	9.6	0.7	5.5	3.2	5.8	1.0	71.7	
2016	6852	2,3,4,5	0.1	1.1	1.8	0.0	0.2	0.2	10.8	0.4	2.9	0.8	6.9	0.3	74.5	
2017	5701	2,3,4,5	0.0	1.9	3.3	0.0	0.3	0.4	18.8	0.7	6.8	0.6	8.5	0.9	57.8	
2018	5642	2,3,4,5	0.2	0.8	1.0	0.0	0.6	0.8	16.5	1.6	8.6	1.6	2.9	0.0	65.5	
16-17	6276		0.1	1.5	2.6	0.0	0.2	0.3	14.8	0.5	4.9	0.7	7.7	0.6	66.2	
09-18	7040		0.1	1.7	1.9	0.0	0.3	0.7	9.6	0.9	7.2	1.5	6.2	0.5	69.4	
09-15	7458		0.1	2.0	1.8	0.0	0.3	0.8	7.1	1.0	7.7	1.7	6.3	0.5	70.8	
13-17	8777		0.1	1.5	1.9	0.0	0.2	1.0	11.7	0.9	6.5	1.4	6.2	0.6	68.2	
18-18	5642		0.2	0.8	1.0	0.0	0.6	0.8	16.5	1.6	8.6	1.6	2.9	0.0	65.5	

2018 rel to 13-17 avg 214% -44% -46% -100% 221% -19% 42% 85% 31% 9% -53% -100% -4% 5% 11%

2018 rel to 2017 -55% -70% 81% 82% 137% 26% 181% -66% -100% 13% -25% -16%

CHI total mort

Table C... Percent distribution of Harrison River (Fraser Late) AEQ total fishing mortalities and escapement.

[illegible]

HAR total mort

Nicola River Spring																			
Table C ₁ - Percent distribution of Nicola River Spring (Fraser Early) AEQ total fishing mortalities and escapement.																			
Catch Year	Est # of CWT	AABM Fishery			ISBM Fishery						ESCAPEMENT				Canadian total				
		SEAK T,N,S	NBC-WCVI T	S	CDN ISBM T,N	Other T,N	Fraser Inside-outh	N	Northern BC Strips de Fu T,S,N	Q'S ISBM T,S,N	G T,S,N	Canada Freshwater N	S	STRAYS	Esc.	CYER	CYER		
1979	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
1980	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
1981	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
1982	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
1983	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
1984	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
1985	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
1986	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
1987	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
1988	218	3	Failed Criteria																
1989	1326	3,4	0.0	1.4	1.1	0.5	0.0	12.2	5.6	7.3	3.8	0.0	2.4	0.3	65.3	30.5	34.4		
1990	292	3,4,5	0.0	4.5	0.0	0.0	0.0	0.0	0.0	2.1	6.8	13.7	13.4	1.7	57.9	33.6	40.4		
1991	1375	3,4,5,6	0.7	4.5	0.2	1.1	0.0	0.0	0.7	4.5	2.8	12.9	7.2	0.9	64.4	31.2	34.7		
1992	561	3,4,5,6	0.0	11.1	0.0	3.6	0.0	0.0	3.6	4.6	12.7	6.2	7.3	0.4	50.6	36.4	49.0		
1993	1241	3,4,5,6	0.0	8.9	1.2	1.4	0.0	0.0	5.0	1.9	5.2	9.4	5.2	0.0	61.8	33.0	38.2		
1994	2071	3,4,5,6	0.0	4.3	0.4	0.2	0.0	0.0	0.8	2.7	0.3	1.3	8.0	0.2	81.7	17.7	18.0		
1995	1877	3,4,5,6	0.0	2.0	1.2	1.3	0.0	0.0	1.5	1.5	0.5	3.4	3.6	0.0	85.0	14.5	15.0		
1996	69	3,4,5,6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18.8	0.0	0.0	81.2	18.8	18.8		
1997	224	3,4,5,6	0.0	0.0	0.0	4.0	0.0	0.0	0.0	4.9	11.2	1.8	6.3	0.0	71.9	17.0	28.1		
1998	418	3,4,5,6	0.0	0.0	4.8	1.0	0.0	0.0	1.7	1.2	0.0	10.0	17.0	0.0	64.4	35.6	35.6		
1999	2424	3,4,5,6	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.5	0.8	6.9	2.2	0.0	89.4	9.8	10.6		
2000	1771	3,4,5,6	0.0	0.0	2.1	0.0	0.0	0.0	0.8	3.6	0.0	8.0	5.3	0.0	80.2	19.8	19.8		
2001	2263	3,4,5,6	0.0	0.1	0.0	0.0	0.0	0.0	0.8	3.4	0.8	6.7	4.4	0.0	83.9	15.4	16.1		
2002	2319	3,4,5,6	0.0	2.1	0.3	0.2	0.0	0.0	0.3	0.8	1.0	4.0	2.5	0.0	88.8	10.2	11.2		
2003	1810	3,4,5,6	0.2	3.7	0.6	0.0	0.0	0.0	0.9	1.8	0.6	0.6	6.7	0.0	85.0	14.3	15.0		
2004	441	3,4,5,6	0.0	4.3	0.0	0.0	0.0	0.0	0.0	2.5	1.4	0.9	23.6	0.0	67.3	31.7	32.7		
2005	413	3,4,5,6	0.0	5.3	0.0	0.0	0.0	0.0	3.1	3.6	0.5	14.5	14.8	0.0	58.1	41.4	41.9		
2006	432	3,4,5,6	0.0	3.2	0.0	0.0	0.0	0.0	0.0	2.8	1.2	13.9	9.5	0.0	69.4	29.4	30.6		
2007	157	3,4,5,6	0.0	6.4	0.0	0.0	0.0	0.0	0.0	0.0	1.3	31.2	21.7	0.0	39.5	59.2	60.5		
2008	624	3,4,5,6	0.0	1.4	0.6	0.0	0.0	0.0	2.6	1.4	3.0	11.4	3.5	0.0	76.0	21.0	24.0		
2009	293	3,4,5,6	0.0	0.3	0.0	0.0	0.0	0.0	0.0	8.2	7.2	18.8	20.1	0.0	45.4	47.4	54.6		
2010	2328	3,4,5,6	0.4	1.5	0.3	0.0	0.0	0.0	1.2	0.6	1.2	4.6	0.0	0.0	90.2	8.2	9.8		
2011	683	3,4,5,6	0.0	0.9	0.4	0.0	0.0	0.4	1.9	2.5	3.8	3.8	2.5	0.0	83.7	12.4	16.3		
2012	723	3,4,5,6	0.0	0.6	0.8	0.0	0.0	0.6	2.4	1.8	8.7	17.2	0.8	0.0	67.2	24.1	32.8		
2013	1466	3,4,5,6	0.0	1.4	0.0	0.0	0.0	0.2	0.5	1.2	3.5	4.6	1.6	0.0	87.0	8.4	13.0		
2014	436	3,4,5,6	0.0	2.1	0.0	0.0	0.0	0.0	1.6	0.0	0.9	1.6	9.2	0.9	0.0	83.7	14.7	16.3	
2015	1549	3,4,5,6	0.0	0.5	0.2	0.0	0.0	0.0	0.9	0.8	2.6	1.9	10.0	0.0	83.1	15.0	16.9		
2016	973	3,4,5,6	0.2	2.7	0.0	0.0	0.0	0.0	0.7	2.6	7.6	1.0	10.1	0.0	75.1	23.6	24.9		
2017	1086	3,4,5,6	0.0	2.2	0.0	0.0	0.0	0.0	0.2	1.6	1.8	7.6	0.0	0.0	84.7	13.4	15.3		
2018	919	3,4,5,6	0.0	1.0	0.3	0.0	0.0	1.2	1.7	3.3	1.6	17.1	0.0	0.0	73.8	24.6	26.2		
16-17	1030		0.1	2.4	0.0	0.0	0.0	0.5	2.1	4.7	1.4	8.9	0.0	0.0	79.9	18.5	20.1		
09-18	1046		0.1	1.3	0.2	0.0	0.0	0.6	1.3	3.3	3.3	10.0	2.4	0.0	77.4	19.2	22.6		
09-15	1068		0.1	1.0	0.2	0.0	0.0	0.6	1.1	2.9	4.1	9.3	3.5	0.0	77.2	18.6	22.8		
13-17	1102		0.0	1.8	0.0	0.0	0.0	0.8	1.2	3.3	2.2	7.7	0.2	0.0	82.7	15.0	17.3		
18-18	919		0.0	1.0	0.3	0.0	0.0	1.2	1.7	3.3	1.6	17.1	0.0	0.0	73.8	24.6	26.2		
2018 rel to 13-17 avg			-100%	-45%	743%	-100%	51%	43%	-1%	-25%	122%	-100%	-11%	64%	52%				
2018 rel to 2017			-56%	-56%	550%	11%	77%	-11%	124%		-13%	83%	72%						

NIC total mort

Lower Shuswap River Summer														
Table C... Percent distribution of Lower Shuswap River Summer (Fraser Early) AEQ total fishing mortalities and escapement.														
Catch Year	Est # of CWT	AABM Fishery			ISBM Fishery			ESCAPEMENT			Canadian total			
		SEAK T,N,S	NBC-WCVI T	S	CDN ISBM Other T,N	Fraser Ne N	Southern BC Sport Georgia Strait	Southern BC Sport Juan de Fuca	SUS ISBM Grp T, S, N	Canada Freshwater N S	Esc.	CYER	CYER	
1979	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
1980	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
1981	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
1982	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
1983	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
1984	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
1985	NA	-	-	-	-	-	-	-	-	-	-	-	-	-
1986	112 2	Failed Criteria			-	-	-	-	-	-	-	-	-	-
1987	632 2,3	10.1	13.9	0.0	10.4	1.1	2.1	0.3	2.8	0.8	7.3	0.3	47.0	39.7
1988	2072 2,3,4	7.9	14.7	0.3	4.7	0.0	4.6	1.4	1.8	0.9	1.4	0.2	60.5	29.5
1989	1682 2,3,4,5	9.2	8.3	0.0	8.3	0.0	4.8	0.4	0.0	1.5	1.1	0.4	0.0	66.0
1990	1252 2,3,4,5	28.5	23.2	3.4	5.0	0.9	0.0	0.8	1.0	0.5	7.6	1.5	1.1	26.7
1991	631 2,3,4,5	34.7	25.2	0.5	7.9	0.0	0.0	0.8	0.5	3.2	5.2	0.6	0.2	43.2
1992	296 2,3,4,5	13.5	22.3	0.0	12.2	0.0	0.0	2.7	2.0	2.7	5.1	4.4	0.0	40.7
1993	480 2,3,4,5	13.8	22.7	0.0	9.2	0.0	0.0	1.0	0.4	0.4	8.5	3.5	0.0	48.6
1994	1045 2,3,4,5	10.4	25.6	1.7	16.1	0.0	0.0	1.4	3.0	9.8	0.0	0.5	31.2	45.4
1995	530 2,3,4,5	19.6	14.7	4.2	4.3	1.5	0.0	1.3	3.2	7.9	0.4	0.6	40.9	59.6
1996	743 2,3,4,5	16.3	0.9	1.6	0.5	1.5	0.0	1.3	0.0	8.2	1.3	0.0	65.5	35.7
1997	608 2,3,4,5	14.0	9.2	2.1	3.9	0.7	0.0	3.5	2.1	15.6	0.0	0.0	46.5	18.2
1998	754 2,3,4,5	31.0	7.0	14.1	0.4	1.7	0.0	5.7	0.5	0.8	5.4	0.7	1.2	37.2
1999	832 2,3,4,5	21.5	0.7	4.6	0.0	0.2	0.0	4.1	0.5	0.0	5.4	0.4	0.0	30.5
2000	718 2,3,4,5	20.9	0.0	4.7	0.0	0.0	0.0	2.6	0.6	6.4	1.4	1.0	61.4	15.9
2001	1158 2,3,4,5	9.7	0.0	1.0	1.0	0.0	0.0	7.6	0.5	1.5	1.6	0.0	75.3	37.4
2002	1561 2,3,4,5	20.8	14.0	4.2	0.1	1.6	0.0	2.1	1.5	0.0	8.6	0.4	0.0	16.2
2003	1877 2,3,4,5	12.3	8.1	2.5	1.3	0.7	0.0	2.9	0.8	4.5	2.3	0.0	60.7	24.7
2004	1156 2,3,4,5	20.0	10.1	4.0	0.0	4.8	0.0	4.9	0.5	1.3	11.9	2.8	0.0	32.5
2005	824 2,3,4,5	16.9	12.7	8.5	0.0	1.3	0.0	11.7	0.6	7.0	3.6	0.0	39.7	60.3
2006	1322 2,3,4,5	14.7	13.5	9.1	0.0	1.7	0.0	8.6	1.2	1.0	7.2	3.1	0.8	47.1
2007	507 2,3,4,5	17.4	3.6	11.0	0.0	0.4	0.0	1.4	0.0	5.3	5.1	0.0	53.8	64.6
2008	1771 2,3,4,5	9.4	8.1	9.3	0.0	0.0	0.0	5.1	2.1	0.0	2.9	3.0	0.0	28.8
2009	1691 2,3,4,5	10.5	7.2	5.7	0.0	0.6	0.0	4.7	0.4	10.0	6.2	0.2	50.4	46.2
2010	2025 2,3,4,5	11.4	10.5	3.6	0.0	0.3	0.0	7.2	2.2	1.9	9.4	1.9	1.2	30.5
2011	1853 2,3,4,5	10.0	8.9	5.1	0.0	0.3	1.2	4.2	3.8	1.3	9.3	2.9	0.1	35.1
2012	1942 2,3,4,5	9.4	8.6	5.6	0.0	1.0	0.4	5.7	4.0	3.1	4.5	4.9	0.0	48.4
2013	8226 2,3,4,5	8.0	7.7	4.5	0.0	0.5	1.6	5.0	1.6	2.5	2.0	0.9	60.5	35.7
2014	4667 2,3,4,5	12.0	10.4	4.3	0.9	0.3	2.1	2.9	3.9	8.0	1.8	0.9	50.1	29.0
2015	5011 2,3,4,5	7.2	4.3	2.7	0.0	0.8	0.5	4.6	4.8	2.9	3.1	1.4	64.5	33.1
2016	2142 2,3,4,5	12.2	10.9	3.7	0.0	0.5	0.4	5.4	0.6	1.0	2.6	1.2	0.0	22.1
2017	3056 2,3,4,5	13.7	9.0	5.6	0.0	0.6	0.2	7.9	1.5	2.7	1.7	0.5	53.8	25.3
2018	5148 2,3,4,5	5.6	4.3	5.2	0.0	0.1	1.4	5.2	1.5	4.6	2.8	0.3	64.7	30.4
16-17	2599	13.0	10.0	4.7	0.0	0.5	0.3	6.7	1.6	1.3	2.7	1.4	0.2	27.9
09-18	3576	10.0	8.2	4.6	0.1	0.5	0.8	5.3	3.2	2.1	5.6	2.8	0.5	27.8
09-15	3631	9.8	8.2	4.5	0.1	0.5	0.8	4.9	3.5	2.4	6.7	3.2	0.7	42.1
13-17	4620	10.6	8.5	4.2	0.2	0.5	1.0	5.2	2.8	2.6	3.8	1.9	0.7	31.2
18-18	5148	5.6	4.3	5.2	0.0	0.1	1.4	5.2	4.3	1.5	4.6	2.8	0.3	32.6
2018 rel to 13-17 avg		-48%	-49%	25%	-100%	-79%	44%	0%	-41%	22%	44%	-60%	11%	0%
2018 rel to 2017		-59%	-52%	-8%		-79%	511%	63%	-1%	66%	68%	-41%	20%	-8%

SHU total mort

MortType	Stock	Year	Fishery	FisheryNun	FisheryType	FisheryCou	Prop_Mort
LC	CHI	1979	SEAK_T-N-S	1	AABM	US	NA
LC	CHI	1979	NBC-WCVI	2	AABM	CA	NA
LC	CHI	1979	NBC-WCVI	3	AABM	CA	NA
LC	CHI	1979	ISBM-CA_T	4	ISBM	CA	NA
LC	CHI	1979	ISBM-CA_S	5	ISBM	CA	NA
LC	CHI	1979	Fraser_N	6	ISBM	CA	NA
LC	CHI	1979	ISBM-CA_S	7	ISBM	CA	NA
LC	CHI	1979	ISBM-CA_S	8	ISBM	CA	NA
LC	CHI	1979	ISBM-SUS	9	ISBM	US	NA
LC	CHI	1979	ISBM-CA_N	10	ISBM	CA	NA
LC	CHI	1979	ISBM-CA_S	11	ISBM	CA	NA
LC	CHI	1979	Esc_Stray	12	Esc_Stray	Either	NA
LC	CHI	1979	Escapemer	13	Esc	CA	NA
LC	CHI	1980	SEAK_T-N-S	1	AABM	US	NA
LC	CHI	1980	NBC-WCVI	2	AABM	CA	NA
LC	CHI	1980	NBC-WCVI	3	AABM	CA	NA
LC	CHI	1980	ISBM-CA_T	4	ISBM	CA	NA
LC	CHI	1980	ISBM-CA_S	5	ISBM	CA	NA
LC	CHI	1980	Fraser_N	6	ISBM	CA	NA
LC	CHI	1980	ISBM-CA_S	7	ISBM	CA	NA
LC	CHI	1980	ISBM-CA_S	8	ISBM	CA	NA
LC	CHI	1980	ISBM-SUS	9	ISBM	US	NA
LC	CHI	1980	ISBM-CA_N	10	ISBM	CA	NA
LC	CHI	1980	ISBM-CA_S	11	ISBM	CA	NA
LC	CHI	1980	Esc_Stray	12	Esc_Stray	Either	NA
LC	CHI	1980	Escapemer	13	Esc	CA	NA
LC	CHI	1981	SEAK_T-N-S	1	AABM	US	NA
LC	CHI	1981	NBC-WCVI	2	AABM	CA	NA
LC	CHI	1981	NBC-WCVI	3	AABM	CA	NA
LC	CHI	1981	ISBM-CA_T	4	ISBM	CA	NA
LC	CHI	1981	ISBM-CA_S	5	ISBM	CA	NA
LC	CHI	1981	Fraser_N	6	ISBM	CA	NA
LC	CHI	1981	ISBM-CA_S	7	ISBM	CA	NA
LC	CHI	1981	ISBM-CA_S	8	ISBM	CA	NA
LC	CHI	1981	ISBM-SUS	9	ISBM	US	NA
LC	CHI	1981	ISBM-CA_N	10	ISBM	CA	NA
LC	CHI	1981	ISBM-CA_S	11	ISBM	CA	NA
LC	CHI	1981	Esc_Stray	12	Esc_Stray	Either	NA
LC	CHI	1981	Escapemer	13	Esc	CA	NA
LC	CHI	1982	SEAK_T-N-S	1	AABM	US	NA
LC	CHI	1982	NBC-WCVI	2	AABM	CA	NA
LC	CHI	1982	NBC-WCVI	3	AABM	CA	NA
LC	CHI	1982	ISBM-CA_T	4	ISBM	CA	NA
LC	CHI	1982	ISBM-CA_S	5	ISBM	CA	NA

MortType	Stock	Year	Fishery	FisheryNun	FisheryTyp	FisheryCou	Prop_Mort
LC	CHI	1982	Fraser_N	6	ISBM	CA	NA
LC	CHI	1982	ISBM-CA_S	7	ISBM	CA	NA
LC	CHI	1982	ISBM-CA_S	8	ISBM	CA	NA
LC	CHI	1982	ISBM-SUS	9	ISBM	US	NA
LC	CHI	1982	ISBM-CA_N	10	ISBM	CA	NA
LC	CHI	1982	ISBM-CA_S	11	ISBM	CA	NA
LC	CHI	1982	Esc_Stray	12	Esc_Stray	Either	NA
LC	CHI	1982	Escapemer	13	Esc	CA	NA
LC	CHI	1983	SEAK_T-N-S	1	AABM	US	NA
LC	CHI	1983	NBC-WCVI	2	AABM	CA	NA
LC	CHI	1983	NBC-WCVI	3	AABM	CA	NA
LC	CHI	1983	ISBM-CA_T	4	ISBM	CA	NA
LC	CHI	1983	ISBM-CA_S	5	ISBM	CA	NA
LC	CHI	1983	Fraser_N	6	ISBM	CA	NA
LC	CHI	1983	ISBM-CA_S	7	ISBM	CA	NA
LC	CHI	1983	ISBM-CA_S	8	ISBM	CA	NA
LC	CHI	1983	ISBM-SUS	9	ISBM	US	NA
LC	CHI	1983	ISBM-CA_N	10	ISBM	CA	NA
LC	CHI	1983	ISBM-CA_S	11	ISBM	CA	NA
LC	CHI	1983	Esc_Stray	12	Esc_Stray	Either	NA
LC	CHI	1983	Escapemer	13	Esc	CA	NA
LC	CHI	1984	SEAK_T-N-S	1	AABM	US	0
LC	CHI	1984	NBC-WCVI	2	AABM	CA	0.26
LC	CHI	1984	NBC-WCVI	3	AABM	CA	0.000698
LC	CHI	1984	ISBM-CA_T	4	ISBM	CA	0.20186
LC	CHI	1984	ISBM-CA_S	5	ISBM	CA	0
LC	CHI	1984	Fraser_N	6	ISBM	CA	0.02814
LC	CHI	1984	ISBM-CA_S	7	ISBM	CA	0.216744
LC	CHI	1984	ISBM-CA_S	8	ISBM	CA	0.005814
LC	CHI	1984	ISBM-SUS	9	ISBM	US	0.050233
LC	CHI	1984	ISBM-CA_N	10	ISBM	CA	0
LC	CHI	1984	ISBM-CA_S	11	ISBM	CA	0.014186
LC	CHI	1984	Esc_Stray	12	Esc_Stray	Either	0.003488
LC	CHI	1984	Escapemer	13	Esc	CA	0.218837
LC	CHI	1985	SEAK_T-N-S	1	AABM	US	0.005663
LC	CHI	1985	NBC-WCVI	2	AABM	CA	0.328457
LC	CHI	1985	NBC-WCVI	3	AABM	CA	0
LC	CHI	1985	ISBM-CA_T	4	ISBM	CA	0.117036
LC	CHI	1985	ISBM-CA_S	5	ISBM	CA	0
LC	CHI	1985	Fraser_N	6	ISBM	CA	0.020765
LC	CHI	1985	ISBM-CA_S	7	ISBM	CA	0.209533
LC	CHI	1985	ISBM-CA_S	8	ISBM	CA	0.004719
LC	CHI	1985	ISBM-SUS	9	ISBM	US	0.112317
LC	CHI	1985	ISBM-CA_N	10	ISBM	CA	0
LC	CHI	1985	ISBM-CA_S	11	ISBM	CA	0.010382
LC	CHI	1985	Esc_Stray	12	Esc_Stray	Either	0.052855

MortType	Stock	Year	Fishery	FisheryNun	FisheryType	FisheryCou	Prop_Mort
LC	CHI	1985	Escapemer	13	Esc	CA	0.138273
LC	CHI	1986	SEAK_T-N-S	1	AABM	US	0
LC	CHI	1986	NBC-WCVI	2	AABM	CA	0.199137
LC	CHI	1986	NBC-WCVI	3	AABM	CA	0
LC	CHI	1986	ISBM-CA_T	4	ISBM	CA	0.167836
LC	CHI	1986	ISBM-CA_S	5	ISBM	CA	0
LC	CHI	1986	Fraser_N	6	ISBM	CA	0.076633
LC	CHI	1986	ISBM-CA_S	7	ISBM	CA	0.188343
LC	CHI	1986	ISBM-CA_S	8	ISBM	CA	0
LC	CHI	1986	ISBM-SUS	9	ISBM	US	0.124123
LC	CHI	1986	ISBM-CA_N	10	ISBM	CA	0
LC	CHI	1986	ISBM-CA_S	11	ISBM	CA	0.013492
LC	CHI	1986	Esc_Stray	12	Esc_Stray	Either	0.012952
LC	CHI	1986	Escapemer	13	Esc	CA	0.217485
LC	CHI	1987	SEAK_T-N-S	1	AABM	US	0.000411
LC	CHI	1987	NBC-WCVI	2	AABM	CA	0.164885
LC	CHI	1987	NBC-WCVI	3	AABM	CA	0.005345
LC	CHI	1987	ISBM-CA_T	4	ISBM	CA	0.158717
LC	CHI	1987	ISBM-CA_S	5	ISBM	CA	0
LC	CHI	1987	Fraser_N	6	ISBM	CA	0.019326
LC	CHI	1987	ISBM-CA_S	7	ISBM	CA	0.191612
LC	CHI	1987	ISBM-CA_S	8	ISBM	CA	0
LC	CHI	1987	ISBM-SUS	9	ISBM	US	0.099918
LC	CHI	1987	ISBM-CA_N	10	ISBM	CA	0
LC	CHI	1987	ISBM-CA_S	11	ISBM	CA	0.012336
LC	CHI	1987	Esc_Stray	12	Esc_Stray	Either	0.021382
LC	CHI	1987	Escapemer	13	Esc	CA	0.326069
LC	CHI	1988	SEAK_T-N-S	1	AABM	US	0.004852
LC	CHI	1988	NBC-WCVI	2	AABM	CA	0.172475
LC	CHI	1988	NBC-WCVI	3	AABM	CA	0
LC	CHI	1988	ISBM-CA_T	4	ISBM	CA	0.069696
LC	CHI	1988	ISBM-CA_S	5	ISBM	CA	0
LC	CHI	1988	Fraser_N	6	ISBM	CA	0.032642
LC	CHI	1988	ISBM-CA_S	7	ISBM	CA	0.104102
LC	CHI	1988	ISBM-CA_S	8	ISBM	CA	0
LC	CHI	1988	ISBM-SUS	9	ISBM	US	0.086017
LC	CHI	1988	ISBM-CA_N	10	ISBM	CA	0
LC	CHI	1988	ISBM-CA_S	11	ISBM	CA	0.024702
LC	CHI	1988	Esc_Stray	12	Esc_Stray	Either	0.024702
LC	CHI	1988	Escapemer	13	Esc	CA	0.480812
LC	CHI	1989	SEAK_T-N-S	1	AABM	US	0.002825
LC	CHI	1989	NBC-WCVI	2	AABM	CA	0.189266
LC	CHI	1989	NBC-WCVI	3	AABM	CA	0
LC	CHI	1989	ISBM-CA_T	4	ISBM	CA	0.042373
LC	CHI	1989	ISBM-CA_S	5	ISBM	CA	0
LC	CHI	1989	Fraser_N	6	ISBM	CA	0.014124

MortType	Stock	Year	Fishery	FisheryNun	FisheryTyp	FisheryCou	Prop_Mort
LC	CHI	1989	ISBM-CA_S	7	ISBM	CA	0.141243
LC	CHI	1989	ISBM-CA_S	8	ISBM	CA	0.00565
LC	CHI	1989	ISBM-SUS	9	ISBM	US	0.101695
LC	CHI	1989	ISBM-CA_N	10	ISBM	CA	0
LC	CHI	1989	ISBM-CA_S	11	ISBM	CA	0.006591
LC	CHI	1989	Esc_Stray	12	Esc_Stray	Either	0.025424
LC	CHI	1989	Escapemen	13	Esc	CA	0.47081
LC	CHI	1990	SEAK_T-N-S	1	AABM	US	0.008006
LC	CHI	1990	NBC-WCVI	2	AABM	CA	0.088792
LC	CHI	1990	NBC-WCVI	3	AABM	CA	0.022562
LC	CHI	1990	ISBM-CA_T	4	ISBM	CA	0.070597
LC	CHI	1990	ISBM-CA_S	5	ISBM	CA	0
LC	CHI	1990	Fraser_N	6	ISBM	CA	0
LC	CHI	1990	ISBM-CA_S	7	ISBM	CA	0.098253
LC	CHI	1990	ISBM-CA_S	8	ISBM	CA	0.004367
LC	CHI	1990	ISBM-SUS	9	ISBM	US	0.224163
LC	CHI	1990	ISBM-CA_N	10	ISBM	CA	0.022562
LC	CHI	1990	ISBM-CA_S	11	ISBM	CA	0.0131
LC	CHI	1990	Esc_Stray	12	Esc_Stray	Either	0.05313
LC	CHI	1990	Escapemen	13	Esc	CA	0.394469
LC	CHI	1991	SEAK_T-N-S	1	AABM	US	0.00316
LC	CHI	1991	NBC-WCVI	2	AABM	CA	0.182859
LC	CHI	1991	NBC-WCVI	3	AABM	CA	0.005134
LC	CHI	1991	ISBM-CA_T	4	ISBM	CA	0.10782
LC	CHI	1991	ISBM-CA_S	5	ISBM	CA	0.001975
LC	CHI	1991	Fraser_N	6	ISBM	CA	0
LC	CHI	1991	ISBM-CA_S	7	ISBM	CA	0.118483
LC	CHI	1991	ISBM-CA_S	8	ISBM	CA	0.004739
LC	CHI	1991	ISBM-SUS	9	ISBM	US	0.229068
LC	CHI	1991	ISBM-CA_N	10	ISBM	CA	0.029621
LC	CHI	1991	ISBM-CA_S	11	ISBM	CA	0.016983
LC	CHI	1991	Esc_Stray	12	Esc_Stray	Either	0.011848
LC	CHI	1991	Escapemen	13	Esc	CA	0.28831
LC	CHI	1992	SEAK_T-N-S	1	AABM	US	0.003165
LC	CHI	1992	NBC-WCVI	2	AABM	CA	0.177743
LC	CHI	1992	NBC-WCVI	3	AABM	CA	0.001319
LC	CHI	1992	ISBM-CA_T	4	ISBM	CA	0.069357
LC	CHI	1992	ISBM-CA_S	5	ISBM	CA	0
LC	CHI	1992	Fraser_N	6	ISBM	CA	0
LC	CHI	1992	ISBM-CA_S	7	ISBM	CA	0.090717
LC	CHI	1992	ISBM-CA_S	8	ISBM	CA	0.004483
LC	CHI	1992	ISBM-SUS	9	ISBM	US	0.12289
LC	CHI	1992	ISBM-CA_N	10	ISBM	CA	0.005538
LC	CHI	1992	ISBM-CA_S	11	ISBM	CA	0.011867
LC	CHI	1992	Esc_Stray	12	Esc_Stray	Either	0.016614
LC	CHI	1992	Escapemen	13	Esc	CA	0.496308

MortType	Stock	Year	Fishery	FisheryNun	FisheryTyp	FisheryCou	Prop_Mort
LC	CHI	1993	SEAK_T-N-S	1	AABM	US	0.001588
LC	CHI	1993	NBC-WCVI	2	AABM	CA	0.115934
LC	CHI	1993	NBC-WCVI	3	AABM	CA	0.003706
LC	CHI	1993	ISBM-CA_T	4	ISBM	CA	0.065114
LC	CHI	1993	ISBM-CA_S	5	ISBM	CA	0
LC	CHI	1993	Fraser_N	6	ISBM	CA	0
LC	CHI	1993	ISBM-CA_S	7	ISBM	CA	0.062996
LC	CHI	1993	ISBM-CA_S	8	ISBM	CA	0.001588
LC	CHI	1993	ISBM-SUS	9	ISBM	US	0.077819
LC	CHI	1993	ISBM-CA_N	10	ISBM	CA	0.013764
LC	CHI	1993	ISBM-CA_S	11	ISBM	CA	0.019587
LC	CHI	1993	Esc_Stray	12	Esc_Stray	Either	0.022234
LC	CHI	1993	Escapemer	13	Esc	CA	0.61567
LC	CHI	1994	SEAK_T-N-S	1	AABM	US	0.004823
LC	CHI	1994	NBC-WCVI	2	AABM	CA	0.073955
LC	CHI	1994	NBC-WCVI	3	AABM	CA	0
LC	CHI	1994	ISBM-CA_T	4	ISBM	CA	0.081994
LC	CHI	1994	ISBM-CA_S	5	ISBM	CA	0.024116
LC	CHI	1994	Fraser_N	6	ISBM	CA	0
LC	CHI	1994	ISBM-CA_S	7	ISBM	CA	0.038585
LC	CHI	1994	ISBM-CA_S	8	ISBM	CA	0.004823
LC	CHI	1994	ISBM-SUS	9	ISBM	US	0.090032
LC	CHI	1994	ISBM-CA_N	10	ISBM	CA	0.017685
LC	CHI	1994	ISBM-CA_S	11	ISBM	CA	0.062701
LC	CHI	1994	Esc_Stray	12	Esc_Stray	Either	0
LC	CHI	1994	Escapemer	13	Esc	CA	0.601286
LC	CHI	1995	SEAK_T-N-S	1	AABM	US	0
LC	CHI	1995	NBC-WCVI	2	AABM	CA	0.086673
LC	CHI	1995	NBC-WCVI	3	AABM	CA	0.004509
LC	CHI	1995	ISBM-CA_T	4	ISBM	CA	0.007014
LC	CHI	1995	ISBM-CA_S	5	ISBM	CA	0
LC	CHI	1995	Fraser_N	6	ISBM	CA	0
LC	CHI	1995	ISBM-CA_S	7	ISBM	CA	0.054609
LC	CHI	1995	ISBM-CA_S	8	ISBM	CA	0
LC	CHI	1995	ISBM-SUS	9	ISBM	US	0.039078
LC	CHI	1995	ISBM-CA_N	10	ISBM	CA	0.020541
LC	CHI	1995	ISBM-CA_S	11	ISBM	CA	0.010521
LC	CHI	1995	Esc_Stray	12	Esc_Stray	Either	0.000501
LC	CHI	1995	Escapemer	13	Esc	CA	0.776553
LC	CHI	1996	SEAK_T-N-S	1	AABM	US	0.002028
LC	CHI	1996	NBC-WCVI	2	AABM	CA	0
LC	CHI	1996	NBC-WCVI	3	AABM	CA	0.004057
LC	CHI	1996	ISBM-CA_T	4	ISBM	CA	0.010142
LC	CHI	1996	ISBM-CA_S	5	ISBM	CA	0
LC	CHI	1996	Fraser_N	6	ISBM	CA	0
LC	CHI	1996	ISBM-CA_S	7	ISBM	CA	0.117647

MortType	Stock	Year	Fishery	FisheryNun	FisheryType	FisheryCou	Prop_Mort
LC	CHI	1996	ISBM-CA_S	8	ISBM	CA	0.013523
LC	CHI	1996	ISBM-SUS	9	ISBM	US	0.084517
LC	CHI	1996	ISBM-CA_N	10	ISBM	CA	0.010142
LC	CHI	1996	ISBM-CA_S	11	ISBM	CA	0.024341
LC	CHI	1996	Esc_Stray	12	Esc_Stray	Either	0.000676
LC	CHI	1996	Escapemer	13	Esc	CA	0.732928
LC	CHI	1997	SEAK_T-N-S	1	AABM	US	0.005097
LC	CHI	1997	NBC-WCVI	2	AABM	CA	0.102873
LC	CHI	1997	NBC-WCVI	3	AABM	CA	0.008804
LC	CHI	1997	ISBM-CA_T	4	ISBM	CA	0.011121
LC	CHI	1997	ISBM-CA_S	5	ISBM	CA	0.011121
LC	CHI	1997	Fraser_N	6	ISBM	CA	0
LC	CHI	1997	ISBM-CA_S	7	ISBM	CA	0.121409
LC	CHI	1997	ISBM-CA_S	8	ISBM	CA	0.00139
LC	CHI	1997	ISBM-SUS	9	ISBM	US	0.105653
LC	CHI	1997	ISBM-CA_N	10	ISBM	CA	0.02873
LC	CHI	1997	ISBM-CA_S	11	ISBM	CA	0.026413
LC	CHI	1997	Esc_Stray	12	Esc_Stray	Either	0
LC	CHI	1997	Escapemer	13	Esc	CA	0.577386
LC	CHI	1998	SEAK_T-N-S	1	AABM	US	0.004492
LC	CHI	1998	NBC-WCVI	2	AABM	CA	0.002246
LC	CHI	1998	NBC-WCVI	3	AABM	CA	0
LC	CHI	1998	ISBM-CA_T	4	ISBM	CA	0
LC	CHI	1998	ISBM-CA_S	5	ISBM	CA	0.004492
LC	CHI	1998	Fraser_N	6	ISBM	CA	0
LC	CHI	1998	ISBM-CA_S	7	ISBM	CA	0.024703
LC	CHI	1998	ISBM-CA_S	8	ISBM	CA	0.002567
LC	CHI	1998	ISBM-SUS	9	ISBM	US	0.036894
LC	CHI	1998	ISBM-CA_N	10	ISBM	CA	0.001604
LC	CHI	1998	ISBM-CA_S	11	ISBM	CA	0.01187
LC	CHI	1998	Esc_Stray	12	Esc_Stray	Either	0.004812
LC	CHI	1998	Escapemer	13	Esc	CA	0.90632
LC	CHI	1999	SEAK_T-N-S	1	AABM	US	0.000945
LC	CHI	1999	NBC-WCVI	2	AABM	CA	0.005043
LC	CHI	1999	NBC-WCVI	3	AABM	CA	0.013867
LC	CHI	1999	ISBM-CA_T	4	ISBM	CA	0
LC	CHI	1999	ISBM-CA_S	5	ISBM	CA	0.004412
LC	CHI	1999	Fraser_N	6	ISBM	CA	0
LC	CHI	1999	ISBM-CA_S	7	ISBM	CA	0.083517
LC	CHI	1999	ISBM-CA_S	8	ISBM	CA	0.002836
LC	CHI	1999	ISBM-SUS	9	ISBM	US	0.130161
LC	CHI	1999	ISBM-CA_N	10	ISBM	CA	0.004412
LC	CHI	1999	ISBM-CA_S	11	ISBM	CA	0.015758
LC	CHI	1999	Esc_Stray	12	Esc_Stray	Either	0.003152
LC	CHI	1999	Escapemer	13	Esc	CA	0.735897
LC	CHI	2000	SEAK_T-N-S	1	AABM	US	0.000865

MortType	Stock	Year	Fishery	FisheryNun	FisheryType	FisheryCou	Prop_Mort
LC	CHI	2000	NBC-WCVI	2	AABM	CA	0.040657
LC	CHI	2000	NBC-WCVI	3	AABM	CA	0.016148
LC	CHI	2000	ISBM-CA_T	4	ISBM	CA	0
LC	CHI	2000	ISBM-CA_S	5	ISBM	CA	0.004037
LC	CHI	2000	Fraser_N	6	ISBM	CA	0
LC	CHI	2000	ISBM-CA_S	7	ISBM	CA	0.022491
LC	CHI	2000	ISBM-CA_S	8	ISBM	CA	0.002018
LC	CHI	2000	ISBM-SUS	9	ISBM	US	0.035467
LC	CHI	2000	ISBM-CA_N	10	ISBM	CA	0
LC	CHI	2000	ISBM-CA_S	11	ISBM	CA	0.017589
LC	CHI	2000	Esc_Stray	12	Esc_Stray	Either	0.000288
LC	CHI	2000	Escapemer	13	Esc	CA	0.860438
LC	CHI	2001	SEAK_T-N-S	1	AABM	US	0.00132
LC	CHI	2001	NBC-WCVI	2	AABM	CA	0.04553
LC	CHI	2001	NBC-WCVI	3	AABM	CA	0.017816
LC	CHI	2001	ISBM-CA_T	4	ISBM	CA	0
LC	CHI	2001	ISBM-CA_S	5	ISBM	CA	0.00165
LC	CHI	2001	Fraser_N	6	ISBM	CA	0
LC	CHI	2001	ISBM-CA_S	7	ISBM	CA	0.066315
LC	CHI	2001	ISBM-CA_S	8	ISBM	CA	0.002639
LC	CHI	2001	ISBM-SUS	9	ISBM	US	0.110525
LC	CHI	2001	ISBM-CA_N	10	ISBM	CA	0.002639
LC	CHI	2001	ISBM-CA_S	11	ISBM	CA	0.166612
LC	CHI	2001	Esc_Stray	12	Esc_Stray	Either	0.00033
LC	CHI	2001	Escapemer	13	Esc	CA	0.584626
LC	CHI	2002	SEAK_T-N-S	1	AABM	US	0.00248
LC	CHI	2002	NBC-WCVI	2	AABM	CA	0.080802
LC	CHI	2002	NBC-WCVI	3	AABM	CA	0.038438
LC	CHI	2002	ISBM-CA_T	4	ISBM	CA	0.00062
LC	CHI	2002	ISBM-CA_S	5	ISBM	CA	0.007026
LC	CHI	2002	Fraser_N	6	ISBM	CA	0
LC	CHI	2002	ISBM-CA_S	7	ISBM	CA	0.028932
LC	CHI	2002	ISBM-CA_S	8	ISBM	CA	0.001653
LC	CHI	2002	ISBM-SUS	9	ISBM	US	0.095681
LC	CHI	2002	ISBM-CA_N	10	ISBM	CA	0.005993
LC	CHI	2002	ISBM-CA_S	11	ISBM	CA	0.05187
LC	CHI	2002	Esc_Stray	12	Esc_Stray	Either	0
LC	CHI	2002	Escapemer	13	Esc	CA	0.686505
LC	CHI	2003	SEAK_T-N-S	1	AABM	US	0.001472
LC	CHI	2003	NBC-WCVI	2	AABM	CA	0.051924
LC	CHI	2003	NBC-WCVI	3	AABM	CA	0.017868
LC	CHI	2003	ISBM-CA_T	4	ISBM	CA	0
LC	CHI	2003	ISBM-CA_S	5	ISBM	CA	0.005466
LC	CHI	2003	Fraser_N	6	ISBM	CA	0
LC	CHI	2003	ISBM-CA_S	7	ISBM	CA	0.01976
LC	CHI	2003	ISBM-CA_S	8	ISBM	CA	0.004415

MortType	Stock	Year	Fishery	FisheryNum	FisheryType	FisheryCou	Prop_Mort
LC	CHI	2003	ISBM-SUS	9	ISBM	US	0.085138
LC	CHI	2003	ISBM-CA_N	10	ISBM	CA	0.002943
LC	CHI	2003	ISBM-CA_S	11	ISBM	CA	0.058861
LC	CHI	2003	Esc_Stray	12	Esc_Stray	Either	0.05865
LC	CHI	2003	Escapemer	13	Esc	CA	0.693504
LC	CHI	2004	SEAK_T-N-S	1	AABM	US	0.001349
LC	CHI	2004	NBC-WCVI	2	AABM	CA	0.051693
LC	CHI	2004	NBC-WCVI	3	AABM	CA	0.019778
LC	CHI	2004	ISBM-CA_T	4	ISBM	CA	0
LC	CHI	2004	ISBM-CA_S	5	ISBM	CA	0
LC	CHI	2004	Fraser_N	6	ISBM	CA	0
LC	CHI	2004	ISBM-CA_S	7	ISBM	CA	0.015283
LC	CHI	2004	ISBM-CA_S	8	ISBM	CA	0.002697
LC	CHI	2004	ISBM-SUS	9	ISBM	US	0.068924
LC	CHI	2004	ISBM-CA_N	10	ISBM	CA	0.006743
LC	CHI	2004	ISBM-CA_S	11	ISBM	CA	0.044651
LC	CHI	2004	Esc_Stray	12	Esc_Stray	Either	0.003746
LC	CHI	2004	Escapemer	13	Esc	CA	0.785136
LC	CHI	2005	SEAK_T-N-S	1	AABM	US	0.00024
LC	CHI	2005	NBC-WCVI	2	AABM	CA	0.070213
LC	CHI	2005	NBC-WCVI	3	AABM	CA	0.02612
LC	CHI	2005	ISBM-CA_T	4	ISBM	CA	0.000719
LC	CHI	2005	ISBM-CA_S	5	ISBM	CA	0.01318
LC	CHI	2005	Fraser_N	6	ISBM	CA	0
LC	CHI	2005	ISBM-CA_S	7	ISBM	CA	0.015576
LC	CHI	2005	ISBM-CA_S	8	ISBM	CA	0.01294
LC	CHI	2005	ISBM-SUS	9	ISBM	US	0.051761
LC	CHI	2005	ISBM-CA_N	10	ISBM	CA	0.03283
LC	CHI	2005	ISBM-CA_S	11	ISBM	CA	0.053918
LC	CHI	2005	Esc_Stray	12	Esc_Stray	Either	0
LC	CHI	2005	Escapemer	13	Esc	CA	0.722502
LC	CHI	2006	SEAK_T-N-S	1	AABM	US	0
LC	CHI	2006	NBC-WCVI	2	AABM	CA	0.080718
LC	CHI	2006	NBC-WCVI	3	AABM	CA	0.019432
LC	CHI	2006	ISBM-CA_T	4	ISBM	CA	0
LC	CHI	2006	ISBM-CA_S	5	ISBM	CA	0.000747
LC	CHI	2006	Fraser_N	6	ISBM	CA	0
LC	CHI	2006	ISBM-CA_S	7	ISBM	CA	0.010463
LC	CHI	2006	ISBM-CA_S	8	ISBM	CA	0.01009
LC	CHI	2006	ISBM-SUS	9	ISBM	US	0.041854
LC	CHI	2006	ISBM-CA_N	10	ISBM	CA	0.006353
LC	CHI	2006	ISBM-CA_S	11	ISBM	CA	0.046712
LC	CHI	2006	Esc_Stray	12	Esc_Stray	Either	0.01009
LC	CHI	2006	Escapemer	13	Esc	CA	0.773543
LC	CHI	2007	SEAK_T-N-S	1	AABM	US	0
LC	CHI	2007	NBC-WCVI	2	AABM	CA	0.054865

MortType	Stock	Year	Fishery	FisheryNun	FisheryTyp	FisheryCou	Prop_Mort
LC	CHI	2007	NBC-WCVI	3	AABM	CA	0.020146
LC	CHI	2007	ISBM-CA_T	4	ISBM	CA	0
LC	CHI	2007	ISBM-CA_S	5	ISBM	CA	0
LC	CHI	2007	Fraser_N	6	ISBM	CA	0
LC	CHI	2007	ISBM-CA_S	7	ISBM	CA	0.006001
LC	CHI	2007	ISBM-CA_S	8	ISBM	CA	0
LC	CHI	2007	ISBM-SUS	9	ISBM	US	0.026575
LC	CHI	2007	ISBM-CA_N	10	ISBM	CA	0.020146
LC	CHI	2007	ISBM-CA_S	11	ISBM	CA	0.04715
LC	CHI	2007	Esc_Stray	12	Esc_Stray	Either	0.001286
LC	CHI	2007	Escapemer	13	Esc	CA	0.823832
LC	CHI	2008	SEAK_T-N-S	1	AABM	US	0.002188
LC	CHI	2008	NBC-WCVI	2	AABM	CA	0.108315
LC	CHI	2008	NBC-WCVI	3	AABM	CA	0.035011
LC	CHI	2008	ISBM-CA_T	4	ISBM	CA	0.000729
LC	CHI	2008	ISBM-CA_S	5	ISBM	CA	0.009482
LC	CHI	2008	Fraser_N	6	ISBM	CA	0
LC	CHI	2008	ISBM-CA_S	7	ISBM	CA	0.016047
LC	CHI	2008	ISBM-CA_S	8	ISBM	CA	0
LC	CHI	2008	ISBM-SUS	9	ISBM	US	0.078775
LC	CHI	2008	ISBM-CA_N	10	ISBM	CA	0.009847
LC	CHI	2008	ISBM-CA_S	11	ISBM	CA	0.093363
LC	CHI	2008	Esc_Stray	12	Esc_Stray	Either	0.0062
LC	CHI	2008	Escapemer	13	Esc	CA	0.640044
LC	CHI	2009	SEAK_T-N-S	1	AABM	US	0
LC	CHI	2009	NBC-WCVI	2	AABM	CA	0.015011
LC	CHI	2009	NBC-WCVI	3	AABM	CA	0.020014
LC	CHI	2009	ISBM-CA_T	4	ISBM	CA	0
LC	CHI	2009	ISBM-CA_S	5	ISBM	CA	0.007505
LC	CHI	2009	Fraser_N	6	ISBM	CA	0
LC	CHI	2009	ISBM-CA_S	7	ISBM	CA	0.012866
LC	CHI	2009	ISBM-CA_S	8	ISBM	CA	0.007505
LC	CHI	2009	ISBM-SUS	9	ISBM	US	0.027877
LC	CHI	2009	ISBM-CA_N	10	ISBM	CA	0.035382
LC	CHI	2009	ISBM-CA_S	11	ISBM	CA	0.139385
LC	CHI	2009	Esc_Stray	12	Esc_Stray	Either	0.013581
LC	CHI	2009	Escapemer	13	Esc	CA	0.720872
LC	CHI	2010	SEAK_T-N-S	1	AABM	US	0.001635
LC	CHI	2010	NBC-WCVI	2	AABM	CA	0.025989
LC	CHI	2010	NBC-WCVI	3	AABM	CA	0.019941
LC	CHI	2010	ISBM-CA_T	4	ISBM	CA	0
LC	CHI	2010	ISBM-CA_S	5	ISBM	CA	0.001798
LC	CHI	2010	Fraser_N	6	ISBM	CA	0.000327
LC	CHI	2010	ISBM-CA_S	7	ISBM	CA	0.029912
LC	CHI	2010	ISBM-CA_S	8	ISBM	CA	0.014874
LC	CHI	2010	ISBM-SUS	9	ISBM	US	0.055574

MortType	Stock	Year	Fishery	FisheryNun	FisheryTyp	FisheryCou	Prop_Mort
LC	CHI	2010	ISBM-CA_N	10	ISBM	CA	0.015038
LC	CHI	2010	ISBM-CA_S	11	ISBM	CA	0.06015
LC	CHI	2010	Esc_Stray	12	Esc_Stray	Either	0.006211
LC	CHI	2010	Escapemer	13	Esc	CA	0.768552
LC	CHI	2011	SEAK_T-N-S	1	AABM	US	0
LC	CHI	2011	NBC-WCVI	2	AABM	CA	0.035922
LC	CHI	2011	NBC-WCVI	3	AABM	CA	0.020778
LC	CHI	2011	ISBM-CA_T	4	ISBM	CA	0.000352
LC	CHI	2011	ISBM-CA_S	5	ISBM	CA	0.005811
LC	CHI	2011	Fraser_N	6	ISBM	CA	0.006691
LC	CHI	2011	ISBM-CA_S	7	ISBM	CA	0.02025
LC	CHI	2011	ISBM-CA_S	8	ISBM	CA	0.005107
LC	CHI	2011	ISBM-SUS	9	ISBM	US	0.042085
LC	CHI	2011	ISBM-CA_N	10	ISBM	CA	0.007043
LC	CHI	2011	ISBM-CA_S	11	ISBM	CA	0.029231
LC	CHI	2011	Esc_Stray	12	Esc_Stray	Either	0
LC	CHI	2011	Escapemer	13	Esc	CA	0.82673
LC	CHI	2012	SEAK_T-N-S	1	AABM	US	0
LC	CHI	2012	NBC-WCVI	2	AABM	CA	0.010116
LC	CHI	2012	NBC-WCVI	3	AABM	CA	0.012387
LC	CHI	2012	ISBM-CA_T	4	ISBM	CA	0
LC	CHI	2012	ISBM-CA_S	5	ISBM	CA	0.001652
LC	CHI	2012	Fraser_N	6	ISBM	CA	0.002064
LC	CHI	2012	ISBM-CA_S	7	ISBM	CA	0.048927
LC	CHI	2012	ISBM-CA_S	8	ISBM	CA	0.004129
LC	CHI	2012	ISBM-SUS	9	ISBM	US	0.092073
LC	CHI	2012	ISBM-CA_N	10	ISBM	CA	0.003097
LC	CHI	2012	ISBM-CA_S	11	ISBM	CA	0.058216
LC	CHI	2012	Esc_Stray	12	Esc_Stray	Either	0
LC	CHI	2012	Escapemer	13	Esc	CA	0.767341
LC	CHI	2013	SEAK_T-N-S	1	AABM	US	0.000332
LC	CHI	2013	NBC-WCVI	2	AABM	CA	0.024795
LC	CHI	2013	NBC-WCVI	3	AABM	CA	0.0204
LC	CHI	2013	ISBM-CA_T	4	ISBM	CA	0.000249
LC	CHI	2013	ISBM-CA_S	5	ISBM	CA	0.001244
LC	CHI	2013	Fraser_N	6	ISBM	CA	0.00398
LC	CHI	2013	ISBM-CA_S	7	ISBM	CA	0.059375
LC	CHI	2013	ISBM-CA_S	8	ISBM	CA	0.013019
LC	CHI	2013	ISBM-SUS	9	ISBM	US	0.085413
LC	CHI	2013	ISBM-CA_N	10	ISBM	CA	0.014014
LC	CHI	2013	ISBM-CA_S	11	ISBM	CA	0.057468
LC	CHI	2013	Esc_Stray	12	Esc_Stray	Either	0.002985
LC	CHI	2013	Escapemer	13	Esc	CA	0.716726
LC	CHI	2014	SEAK_T-N-S	1	AABM	US	0.001157
LC	CHI	2014	NBC-WCVI	2	AABM	CA	0.013969
LC	CHI	2014	NBC-WCVI	3	AABM	CA	0.010855

MortType	Stock	Year	Fishery	FisheryNun	FisheryType	FisheryCou	Prop_Mort
LC	CHI	2014	ISBM-CA_T	4	ISBM	CA	0
LC	CHI	2014	ISBM-CA_S	5	ISBM	CA	0.002313
LC	CHI	2014	Fraser_N	6	ISBM	CA	0.013168
LC	CHI	2014	ISBM-CA_S	7	ISBM	CA	0.07821
LC	CHI	2014	ISBM-CA_S	8	ISBM	CA	0.010944
LC	CHI	2014	ISBM-SUS	9	ISBM	US	0.060059
LC	CHI	2014	ISBM-CA_N	10	ISBM	CA	0.014325
LC	CHI	2014	ISBM-CA_S	11	ISBM	CA	0.037904
LC	CHI	2014	Esc_Stray	12	Esc_Stray	Either	0.003559
LC	CHI	2014	Escapemer	13	Esc	CA	0.753537
LC	CHI	2015	SEAK_T-N-S	1	AABM	US	0
LC	CHI	2015	NBC-WCVI	2	AABM	CA	0.005105
LC	CHI	2015	NBC-WCVI	3	AABM	CA	0.00527
LC	CHI	2015	ISBM-CA_T	4	ISBM	CA	0
LC	CHI	2015	ISBM-CA_S	5	ISBM	CA	0.000494
LC	CHI	2015	Fraser_N	6	ISBM	CA	0.01054
LC	CHI	2015	ISBM-CA_S	7	ISBM	CA	0.075922
LC	CHI	2015	ISBM-CA_S	8	ISBM	CA	0.007246
LC	CHI	2015	ISBM-SUS	9	ISBM	US	0.047266
LC	CHI	2015	ISBM-CA_N	10	ISBM	CA	0.033762
LC	CHI	2015	ISBM-CA_S	11	ISBM	CA	0.056983
LC	CHI	2015	Esc_Stray	12	Esc_Stray	Either	0.010705
LC	CHI	2015	Escapemer	13	Esc	CA	0.746706
LC	CHI	2016	SEAK_T-N-S	1	AABM	US	0.000921
LC	CHI	2016	NBC-WCVI	2	AABM	CA	0.01074
LC	CHI	2016	NBC-WCVI	3	AABM	CA	0.016263
LC	CHI	2016	ISBM-CA_T	4	ISBM	CA	0
LC	CHI	2016	ISBM-CA_S	5	ISBM	CA	0.001381
LC	CHI	2016	Fraser_N	6	ISBM	CA	0.001688
LC	CHI	2016	ISBM-CA_S	7	ISBM	CA	0.076557
LC	CHI	2016	ISBM-CA_S	8	ISBM	CA	0.003529
LC	CHI	2016	ISBM-SUS	9	ISBM	US	0.025928
LC	CHI	2016	ISBM-CA_N	10	ISBM	CA	0.008285
LC	CHI	2016	ISBM-CA_S	11	ISBM	CA	0.067966
LC	CHI	2016	Esc_Stray	12	Esc_Stray	Either	0.003068
LC	CHI	2016	Escapemer	13	Esc	CA	0.783676
LC	CHI	2017	SEAK_T-N-S	1	AABM	US	0
LC	CHI	2017	NBC-WCVI	2	AABM	CA	0.018846
LC	CHI	2017	NBC-WCVI	3	AABM	CA	0.031145
LC	CHI	2017	ISBM-CA_T	4	ISBM	CA	0
LC	CHI	2017	ISBM-CA_S	5	ISBM	CA	0.002976
LC	CHI	2017	Fraser_N	6	ISBM	CA	0.004364
LC	CHI	2017	ISBM-CA_S	7	ISBM	CA	0.115453
LC	CHI	2017	ISBM-CA_S	8	ISBM	CA	0.006546
LC	CHI	2017	ISBM-SUS	9	ISBM	US	0.060504
LC	CHI	2017	ISBM-CA_N	10	ISBM	CA	0.006348

MortType	Stock	Year	Fishery	FisheryNun	FisheryTyp	FisheryCou	Prop_Mort
LC	CHI	2017	ISBM-CA_S	11	ISBM	CA	0.089863
LC	CHI	2017	Esc_Stray	12	Esc_Stray	Either	0.010712
LC	CHI	2017	Escapemer	13	Esc	CA	0.653243
LC	CHI	2018	SEAK_T-N-S	1	AABM	US	0.001563
LC	CHI	2018	NBC-WCVI	2	AABM	CA	0.008011
LC	CHI	2018	NBC-WCVI	3	AABM	CA	0.009379
LC	CHI	2018	ISBM-CA_T	4	ISBM	CA	0
LC	CHI	2018	ISBM-CA_S	5	ISBM	CA	0.005666
LC	CHI	2018	Fraser_N	6	ISBM	CA	0.003322
LC	CHI	2018	ISBM-CA_S	7	ISBM	CA	0.113521
LC	CHI	2018	ISBM-CA_S	8	ISBM	CA	0.015631
LC	CHI	2018	ISBM-SUS	9	ISBM	US	0.074248
LC	CHI	2018	ISBM-CA_N	10	ISBM	CA	0.01739
LC	CHI	2018	ISBM-CA_S	11	ISBM	CA	0.029504
LC	CHI	2018	Esc_Stray	12	Esc_Stray	Either	0
LC	CHI	2018	Escapemer	13	Esc	CA	0.721766
TM	CHI	1979	SEAK_T-N-S	1	AABM	US	NA
TM	CHI	1979	NBC-WCVI	2	AABM	CA	NA
TM	CHI	1979	NBC-WCVI	3	AABM	CA	NA
TM	CHI	1979	ISBM-CA_T	4	ISBM	CA	NA
TM	CHI	1979	ISBM-CA_S	5	ISBM	CA	NA
TM	CHI	1979	Fraser_N	6	ISBM	CA	NA
TM	CHI	1979	ISBM-CA_S	7	ISBM	CA	NA
TM	CHI	1979	ISBM-CA_S	8	ISBM	CA	NA
TM	CHI	1979	ISBM-SUS	9	ISBM	US	NA
TM	CHI	1979	ISBM-CA_N	10	ISBM	CA	NA
TM	CHI	1979	ISBM-CA_S	11	ISBM	CA	NA
TM	CHI	1979	Esc_Stray	12	Esc_Stray	Either	NA
TM	CHI	1979	Escapemer	13	Esc	CA	NA
TM	CHI	1980	SEAK_T-N-S	1	AABM	US	NA
TM	CHI	1980	NBC-WCVI	2	AABM	CA	NA
TM	CHI	1980	NBC-WCVI	3	AABM	CA	NA
TM	CHI	1980	ISBM-CA_T	4	ISBM	CA	NA
TM	CHI	1980	ISBM-CA_S	5	ISBM	CA	NA
TM	CHI	1980	Fraser_N	6	ISBM	CA	NA
TM	CHI	1980	ISBM-CA_S	7	ISBM	CA	NA
TM	CHI	1980	ISBM-CA_S	8	ISBM	CA	NA
TM	CHI	1980	ISBM-SUS	9	ISBM	US	NA
TM	CHI	1980	ISBM-CA_N	10	ISBM	CA	NA
TM	CHI	1980	ISBM-CA_S	11	ISBM	CA	NA
TM	CHI	1980	Esc_Stray	12	Esc_Stray	Either	NA
TM	CHI	1980	Escapemer	13	Esc	CA	NA
TM	CHI	1981	SEAK_T-N-S	1	AABM	US	NA
TM	CHI	1981	NBC-WCVI	2	AABM	CA	NA
TM	CHI	1981	NBC-WCVI	3	AABM	CA	NA
TM	CHI	1981	ISBM-CA_T	4	ISBM	CA	NA

MortType	Stock	Year	Fishery	FisheryNun	FisheryTyp	FisheryCou	Prop_Mort
TM	CHI	1981	ISBM-CA_S	5	ISBM	CA	NA
TM	CHI	1981	Fraser_N	6	ISBM	CA	NA
TM	CHI	1981	ISBM-CA_S	7	ISBM	CA	NA
TM	CHI	1981	ISBM-CA_S	8	ISBM	CA	NA
TM	CHI	1981	ISBM-SUS	9	ISBM	US	NA
TM	CHI	1981	ISBM-CA_N	10	ISBM	CA	NA
TM	CHI	1981	ISBM-CA_S	11	ISBM	CA	NA
TM	CHI	1981	Esc_Stray	12	Esc_Stray	Either	NA
TM	CHI	1981	Escapemer	13	Esc	CA	NA
TM	CHI	1982	SEAK_T-N-S	1	AABM	US	NA
TM	CHI	1982	NBC-WCVI	2	AABM	CA	NA
TM	CHI	1982	NBC-WCVI	3	AABM	CA	NA
TM	CHI	1982	ISBM-CA_T	4	ISBM	CA	NA
TM	CHI	1982	ISBM-CA_S	5	ISBM	CA	NA
TM	CHI	1982	Fraser_N	6	ISBM	CA	NA
TM	CHI	1982	ISBM-CA_S	7	ISBM	CA	NA
TM	CHI	1982	ISBM-CA_S	8	ISBM	CA	NA
TM	CHI	1982	ISBM-SUS	9	ISBM	US	NA
TM	CHI	1982	ISBM-CA_N	10	ISBM	CA	NA
TM	CHI	1982	ISBM-CA_S	11	ISBM	CA	NA
TM	CHI	1982	Esc_Stray	12	Esc_Stray	Either	NA
TM	CHI	1982	Escapemer	13	Esc	CA	NA
TM	CHI	1983	SEAK_T-N-S	1	AABM	US	NA
TM	CHI	1983	NBC-WCVI	2	AABM	CA	NA
TM	CHI	1983	NBC-WCVI	3	AABM	CA	NA
TM	CHI	1983	ISBM-CA_T	4	ISBM	CA	NA
TM	CHI	1983	ISBM-CA_S	5	ISBM	CA	NA
TM	CHI	1983	Fraser_N	6	ISBM	CA	NA
TM	CHI	1983	ISBM-CA_S	7	ISBM	CA	NA
TM	CHI	1983	ISBM-CA_S	8	ISBM	CA	NA
TM	CHI	1983	ISBM-SUS	9	ISBM	US	NA
TM	CHI	1983	ISBM-CA_N	10	ISBM	CA	NA
TM	CHI	1983	ISBM-CA_S	11	ISBM	CA	NA
TM	CHI	1983	Esc_Stray	12	Esc_Stray	Either	NA
TM	CHI	1983	Escapemer	13	Esc	CA	NA
TM	CHI	1984	SEAK_T-N-S	1	AABM	US	0.000215
TM	CHI	1984	NBC-WCVI	2	AABM	CA	0.27034
TM	CHI	1984	NBC-WCVI	3	AABM	CA	0.000861
TM	CHI	1984	ISBM-CA_T	4	ISBM	CA	0.199096
TM	CHI	1984	ISBM-CA_S	5	ISBM	CA	0
TM	CHI	1984	Fraser_N	6	ISBM	CA	0.028842
TM	CHI	1984	ISBM-CA_S	7	ISBM	CA	0.217607
TM	CHI	1984	ISBM-CA_S	8	ISBM	CA	0.005596
TM	CHI	1984	ISBM-SUS	9	ISBM	US	0.057684
TM	CHI	1984	ISBM-CA_N	10	ISBM	CA	0
TM	CHI	1984	ISBM-CA_S	11	ISBM	CA	0.013991

MortType	Stock	Year	Fishery	FisheryNun	FisheryTyp	FisheryCou	Prop_Mort
TM	CHI	1984	Esc_Stray	12	Esc_Stray	Either	0.003229
TM	CHI	1984	Escapemer	13	Esc	CA	0.20254
TM	CHI	1985	SEAK_T-N-S	1	AABM	US	0.011059
TM	CHI	1985	NBC-WCVI	2	AABM	CA	0.329647
TM	CHI	1985	NBC-WCVI	3	AABM	CA	0
TM	CHI	1985	ISBM-CA_T	4	ISBM	CA	0.125053
TM	CHI	1985	ISBM-CA_S	5	ISBM	CA	0
TM	CHI	1985	Fraser_N	6	ISBM	CA	0.019141
TM	CHI	1985	ISBM-CA_S	7	ISBM	CA	0.209273
TM	CHI	1985	ISBM-CA_S	8	ISBM	CA	0.004254
TM	CHI	1985	ISBM-SUS	9	ISBM	US	0.119098
TM	CHI	1985	ISBM-CA_N	10	ISBM	CA	0
TM	CHI	1985	ISBM-CA_S	11	ISBM	CA	0.010208
TM	CHI	1985	Esc_Stray	12	Esc_Stray	Either	0.047639
TM	CHI	1985	Escapemer	13	Esc	CA	0.124628
TM	CHI	1986	SEAK_T-N-S	1	AABM	US	0
TM	CHI	1986	NBC-WCVI	2	AABM	CA	0.209865
TM	CHI	1986	NBC-WCVI	3	AABM	CA	0
TM	CHI	1986	ISBM-CA_T	4	ISBM	CA	0.183341
TM	CHI	1986	ISBM-CA_S	5	ISBM	CA	0
TM	CHI	1986	Fraser_N	6	ISBM	CA	0.069335
TM	CHI	1986	ISBM-CA_S	7	ISBM	CA	0.185202
TM	CHI	1986	ISBM-CA_S	8	ISBM	CA	0
TM	CHI	1986	ISBM-SUS	9	ISBM	US	0.140996
TM	CHI	1986	ISBM-CA_N	10	ISBM	CA	0
TM	CHI	1986	ISBM-CA_S	11	ISBM	CA	0.012564
TM	CHI	1986	Esc_Stray	12	Esc_Stray	Either	0.011168
TM	CHI	1986	Escapemer	13	Esc	CA	0.187529
TM	CHI	1987	SEAK_T-N-S	1	AABM	US	0.000369
TM	CHI	1987	NBC-WCVI	2	AABM	CA	0.194537
TM	CHI	1987	NBC-WCVI	3	AABM	CA	0.005168
TM	CHI	1987	ISBM-CA_T	4	ISBM	CA	0.172388
TM	CHI	1987	ISBM-CA_S	5	ISBM	CA	0
TM	CHI	1987	Fraser_N	6	ISBM	CA	0.018088
TM	CHI	1987	ISBM-CA_S	7	ISBM	CA	0.185677
TM	CHI	1987	ISBM-CA_S	8	ISBM	CA	0
TM	CHI	1987	ISBM-SUS	9	ISBM	US	0.100406
TM	CHI	1987	ISBM-CA_N	10	ISBM	CA	0
TM	CHI	1987	ISBM-CA_S	11	ISBM	CA	0.011443
TM	CHI	1987	Esc_Stray	12	Esc_Stray	Either	0.019195
TM	CHI	1987	Escapemer	13	Esc	CA	0.292728
TM	CHI	1988	SEAK_T-N-S	1	AABM	US	0.004898
TM	CHI	1988	NBC-WCVI	2	AABM	CA	0.177959
TM	CHI	1988	NBC-WCVI	3	AABM	CA	0
TM	CHI	1988	ISBM-CA_T	4	ISBM	CA	0.070204
TM	CHI	1988	ISBM-CA_S	5	ISBM	CA	0

MortType	Stock	Year	Fishery	FisheryNun	FisheryType	FisheryCou	Prop_Mort
TM	CHI	1988	Fraser_N	6	ISBM	CA	0.03102
TM	CHI	1988	ISBM-CA_S	7	ISBM	CA	0.128163
TM	CHI	1988	ISBM-CA_S	8	ISBM	CA	0
TM	CHI	1988	ISBM-SUS	9	ISBM	US	0.09551
TM	CHI	1988	ISBM-CA_N	10	ISBM	CA	0
TM	CHI	1988	ISBM-CA_S	11	ISBM	CA	0.02449
TM	CHI	1988	Esc_Stray	12	Esc_Stray	Either	0.022857
TM	CHI	1988	Escapemer	13	Esc	CA	0.444898
TM	CHI	1989	SEAK_T-N-S	1	AABM	US	0.002301
TM	CHI	1989	NBC-WCVI	2	AABM	CA	0.230828
TM	CHI	1989	NBC-WCVI	3	AABM	CA	0
TM	CHI	1989	ISBM-CA_T	4	ISBM	CA	0.041411
TM	CHI	1989	ISBM-CA_S	5	ISBM	CA	0
TM	CHI	1989	Fraser_N	6	ISBM	CA	0.011503
TM	CHI	1989	ISBM-CA_S	7	ISBM	CA	0.199387
TM	CHI	1989	ISBM-CA_S	8	ISBM	CA	0.004601
TM	CHI	1989	ISBM-SUS	9	ISBM	US	0.10046
TM	CHI	1989	ISBM-CA_N	10	ISBM	CA	0
TM	CHI	1989	ISBM-CA_S	11	ISBM	CA	0.005368
TM	CHI	1989	Esc_Stray	12	Esc_Stray	Either	0.020706
TM	CHI	1989	Escapemer	13	Esc	CA	0.383436
TM	CHI	1990	SEAK_T-N-S	1	AABM	US	0.009281
TM	CHI	1990	NBC-WCVI	2	AABM	CA	0.108469
TM	CHI	1990	NBC-WCVI	3	AABM	CA	0.020882
TM	CHI	1990	ISBM-CA_T	4	ISBM	CA	0.068446
TM	CHI	1990	ISBM-CA_S	5	ISBM	CA	0
TM	CHI	1990	Fraser_N	6	ISBM	CA	0
TM	CHI	1990	ISBM-CA_S	7	ISBM	CA	0.168213
TM	CHI	1990	ISBM-CA_S	8	ISBM	CA	0.00348
TM	CHI	1990	ISBM-SUS	9	ISBM	US	0.235499
TM	CHI	1990	ISBM-CA_N	10	ISBM	CA	0.017981
TM	CHI	1990	ISBM-CA_S	11	ISBM	CA	0.011021
TM	CHI	1990	Esc_Stray	12	Esc_Stray	Either	0.042343
TM	CHI	1990	Escapemer	13	Esc	CA	0.314385
TM	CHI	1991	SEAK_T-N-S	1	AABM	US	0.003223
TM	CHI	1991	NBC-WCVI	2	AABM	CA	0.197551
TM	CHI	1991	NBC-WCVI	3	AABM	CA	0.004834
TM	CHI	1991	ISBM-CA_T	4	ISBM	CA	0.119562
TM	CHI	1991	ISBM-CA_S	5	ISBM	CA	0.001611
TM	CHI	1991	Fraser_N	6	ISBM	CA	0
TM	CHI	1991	ISBM-CA_S	7	ISBM	CA	0.155334
TM	CHI	1991	ISBM-CA_S	8	ISBM	CA	0.004512
TM	CHI	1991	ISBM-SUS	9	ISBM	US	0.229455
TM	CHI	1991	ISBM-CA_N	10	ISBM	CA	0.02417
TM	CHI	1991	ISBM-CA_S	11	ISBM	CA	0.014824
TM	CHI	1991	Esc_Stray	12	Esc_Stray	Either	0.009668

MortType	Stock	Year	Fishery	FisheryNun	FisheryTyp	FisheryCou	Prop_Mort
TM	CHI	1991	Escapemer	13	Esc	CA	0.235256
TM	CHI	1992	SEAK_T-N-S	1	AABM	US	0.00308
TM	CHI	1992	NBC-WCVI	2	AABM	CA	0.198768
TM	CHI	1992	NBC-WCVI	3	AABM	CA	0.001185
TM	CHI	1992	ISBM-CA_T	4	ISBM	CA	0.082682
TM	CHI	1992	ISBM-CA_S	5	ISBM	CA	0
TM	CHI	1992	Fraser_N	6	ISBM	CA	0
TM	CHI	1992	ISBM-CA_S	7	ISBM	CA	0.102345
TM	CHI	1992	ISBM-CA_S	8	ISBM	CA	0.004501
TM	CHI	1992	ISBM-SUS	9	ISBM	US	0.130301
TM	CHI	1992	ISBM-CA_N	10	ISBM	CA	0.004975
TM	CHI	1992	ISBM-CA_S	11	ISBM	CA	0.011372
TM	CHI	1992	Esc_Stray	12	Esc_Stray	Either	0.014925
TM	CHI	1992	Escapemer	13	Esc	CA	0.445866
TM	CHI	1993	SEAK_T-N-S	1	AABM	US	0.001973
TM	CHI	1993	NBC-WCVI	2	AABM	CA	0.130242
TM	CHI	1993	NBC-WCVI	3	AABM	CA	0.003453
TM	CHI	1993	ISBM-CA_T	4	ISBM	CA	0.080908
TM	CHI	1993	ISBM-CA_S	5	ISBM	CA	0
TM	CHI	1993	Fraser_N	6	ISBM	CA	0
TM	CHI	1993	ISBM-CA_S	7	ISBM	CA	0.070054
TM	CHI	1993	ISBM-CA_S	8	ISBM	CA	0.00148
TM	CHI	1993	ISBM-SUS	9	ISBM	US	0.084855
TM	CHI	1993	ISBM-CA_N	10	ISBM	CA	0.012827
TM	CHI	1993	ISBM-CA_S	11	ISBM	CA	0.019734
TM	CHI	1993	Esc_Stray	12	Esc_Stray	Either	0.02072
TM	CHI	1993	Escapemer	13	Esc	CA	0.573754
TM	CHI	1994	SEAK_T-N-S	1	AABM	US	0.006954
TM	CHI	1994	NBC-WCVI	2	AABM	CA	0.093185
TM	CHI	1994	NBC-WCVI	3	AABM	CA	0
TM	CHI	1994	ISBM-CA_T	4	ISBM	CA	0.095967
TM	CHI	1994	ISBM-CA_S	5	ISBM	CA	0.026426
TM	CHI	1994	Fraser_N	6	ISBM	CA	0
TM	CHI	1994	ISBM-CA_S	7	ISBM	CA	0.070932
TM	CHI	1994	ISBM-CA_S	8	ISBM	CA	0.004172
TM	CHI	1994	ISBM-SUS	9	ISBM	US	0.108484
TM	CHI	1994	ISBM-CA_N	10	ISBM	CA	0.015299
TM	CHI	1994	ISBM-CA_S	11	ISBM	CA	0.058415
TM	CHI	1994	Esc_Stray	12	Esc_Stray	Either	0
TM	CHI	1994	Escapemer	13	Esc	CA	0.520167
TM	CHI	1995	SEAK_T-N-S	1	AABM	US	0
TM	CHI	1995	NBC-WCVI	2	AABM	CA	0.127429
TM	CHI	1995	NBC-WCVI	3	AABM	CA	0.004971
TM	CHI	1995	ISBM-CA_T	4	ISBM	CA	0.011749
TM	CHI	1995	ISBM-CA_S	5	ISBM	CA	0
TM	CHI	1995	Fraser_N	6	ISBM	CA	0

MortType	Stock	Year	Fishery	FisheryNun	FisheryTyp	FisheryCou	Prop_Mort
TM	CHI	1995	ISBM-CA_S	7	ISBM	CA	0.080886
TM	CHI	1995	ISBM-CA_S	8	ISBM	CA	0
TM	CHI	1995	ISBM-SUS	9	ISBM	US	0.045639
TM	CHI	1995	ISBM-CA_N	10	ISBM	CA	0.018527
TM	CHI	1995	ISBM-CA_S	11	ISBM	CA	0.009941
TM	CHI	1995	Esc_Stray	12	Esc_Stray	Either	0.000452
TM	CHI	1995	Escapemer	13	Esc	CA	0.700407
TM	CHI	1996	SEAK_T-N-S	1	AABM	US	0.002261
TM	CHI	1996	NBC-WCVI	2	AABM	CA	0.020351
TM	CHI	1996	NBC-WCVI	3	AABM	CA	0.003957
TM	CHI	1996	ISBM-CA_T	4	ISBM	CA	0.013002
TM	CHI	1996	ISBM-CA_S	5	ISBM	CA	0
TM	CHI	1996	Fraser_N	6	ISBM	CA	0
TM	CHI	1996	ISBM-CA_S	7	ISBM	CA	0.204635
TM	CHI	1996	ISBM-CA_S	8	ISBM	CA	0.013002
TM	CHI	1996	ISBM-SUS	9	ISBM	US	0.095534
TM	CHI	1996	ISBM-CA_N	10	ISBM	CA	0.008479
TM	CHI	1996	ISBM-CA_S	11	ISBM	CA	0.025438
TM	CHI	1996	Esc_Stray	12	Esc_Stray	Either	0.000565
TM	CHI	1996	Escapemer	13	Esc	CA	0.612776
TM	CHI	1997	SEAK_T-N-S	1	AABM	US	0.005396
TM	CHI	1997	NBC-WCVI	2	AABM	CA	0.128684
TM	CHI	1997	NBC-WCVI	3	AABM	CA	0.008717
TM	CHI	1997	ISBM-CA_T	4	ISBM	CA	0.014944
TM	CHI	1997	ISBM-CA_S	5	ISBM	CA	0.010793
TM	CHI	1997	Fraser_N	6	ISBM	CA	0
TM	CHI	1997	ISBM-CA_S	7	ISBM	CA	0.15193
TM	CHI	1997	ISBM-CA_S	8	ISBM	CA	0.00166
TM	CHI	1997	ISBM-SUS	9	ISBM	US	0.109589
TM	CHI	1997	ISBM-CA_N	10	ISBM	CA	0.025737
TM	CHI	1997	ISBM-CA_S	11	ISBM	CA	0.025322
TM	CHI	1997	Esc_Stray	12	Esc_Stray	Either	0
TM	CHI	1997	Escapemer	13	Esc	CA	0.517227
TM	CHI	1998	SEAK_T-N-S	1	AABM	US	0.005006
TM	CHI	1998	NBC-WCVI	2	AABM	CA	0.00219
TM	CHI	1998	NBC-WCVI	3	AABM	CA	0
TM	CHI	1998	ISBM-CA_T	4	ISBM	CA	0.000313
TM	CHI	1998	ISBM-CA_S	5	ISBM	CA	0.005632
TM	CHI	1998	Fraser_N	6	ISBM	CA	0
TM	CHI	1998	ISBM-CA_S	7	ISBM	CA	0.037547
TM	CHI	1998	ISBM-CA_S	8	ISBM	CA	0.002816
TM	CHI	1998	ISBM-SUS	9	ISBM	US	0.043805
TM	CHI	1998	ISBM-CA_N	10	ISBM	CA	0.001564
TM	CHI	1998	ISBM-CA_S	11	ISBM	CA	0.012516
TM	CHI	1998	Esc_Stray	12	Esc_Stray	Either	0.004693
TM	CHI	1998	Escapemer	13	Esc	CA	0.883917

MortType	Stock	Year	Fishery	FisheryNun	FisheryTyp	FisheryCou	Prop_Mort
TM	CHI	1999	SEAK_T-N-S	1	AABM	US	0.001187
TM	CHI	1999	NBC-WCVI	2	AABM	CA	0.005045
TM	CHI	1999	NBC-WCVI	3	AABM	CA	0.014243
TM	CHI	1999	ISBM-CA_T	4	ISBM	CA	0
TM	CHI	1999	ISBM-CA_S	5	ISBM	CA	0.004451
TM	CHI	1999	Fraser_N	6	ISBM	CA	0
TM	CHI	1999	ISBM-CA_S	7	ISBM	CA	0.106231
TM	CHI	1999	ISBM-CA_S	8	ISBM	CA	0.002967
TM	CHI	1999	ISBM-SUS	9	ISBM	US	0.150148
TM	CHI	1999	ISBM-CA_N	10	ISBM	CA	0.004154
TM	CHI	1999	ISBM-CA_S	11	ISBM	CA	0.015727
TM	CHI	1999	Esc_Stray	12	Esc_Stray	Either	0.002967
TM	CHI	1999	Escapemer	13	Esc	CA	0.692878
TM	CHI	2000	SEAK_T-N-S	1	AABM	US	0.000838
TM	CHI	2000	NBC-WCVI	2	AABM	CA	0.044109
TM	CHI	2000	NBC-WCVI	3	AABM	CA	0.018705
TM	CHI	2000	ISBM-CA_T	4	ISBM	CA	0
TM	CHI	2000	ISBM-CA_S	5	ISBM	CA	0.004746
TM	CHI	2000	Fraser_N	6	ISBM	CA	0
TM	CHI	2000	ISBM-CA_S	7	ISBM	CA	0.032943
TM	CHI	2000	ISBM-CA_S	8	ISBM	CA	0.002513
TM	CHI	2000	ISBM-SUS	9	ISBM	US	0.044389
TM	CHI	2000	ISBM-CA_N	10	ISBM	CA	0
TM	CHI	2000	ISBM-CA_S	11	ISBM	CA	0.018426
TM	CHI	2000	Esc_Stray	12	Esc_Stray	Either	0.000279
TM	CHI	2000	Escapemer	13	Esc	CA	0.833054
TM	CHI	2001	SEAK_T-N-S	1	AABM	US	0.001151
TM	CHI	2001	NBC-WCVI	2	AABM	CA	0.044317
TM	CHI	2001	NBC-WCVI	3	AABM	CA	0.018705
TM	CHI	2001	ISBM-CA_T	4	ISBM	CA	0
TM	CHI	2001	ISBM-CA_S	5	ISBM	CA	0.002014
TM	CHI	2001	Fraser_N	6	ISBM	CA	0
TM	CHI	2001	ISBM-CA_S	7	ISBM	CA	0.113381
TM	CHI	2001	ISBM-CA_S	8	ISBM	CA	0.00259
TM	CHI	2001	ISBM-SUS	9	ISBM	US	0.149928
TM	CHI	2001	ISBM-CA_N	10	ISBM	CA	0.002302
TM	CHI	2001	ISBM-CA_S	11	ISBM	CA	0.155396
TM	CHI	2001	Esc_Stray	12	Esc_Stray	Either	0.000288
TM	CHI	2001	Escapemer	13	Esc	CA	0.509928
TM	CHI	2002	SEAK_T-N-S	1	AABM	US	0.002726
TM	CHI	2002	NBC-WCVI	2	AABM	CA	0.083139
TM	CHI	2002	NBC-WCVI	3	AABM	CA	0.043419
TM	CHI	2002	ISBM-CA_T	4	ISBM	CA	0.001168
TM	CHI	2002	ISBM-CA_S	5	ISBM	CA	0.007983
TM	CHI	2002	Fraser_N	6	ISBM	CA	0
TM	CHI	2002	ISBM-CA_S	7	ISBM	CA	0.040888

MortType	Stock	Year	Fishery	FisheryNun	FisheryTyp	FisheryCou	Prop_Mort
TM	CHI	2002	ISBM-CA_S	8	ISBM	CA	0.001752
TM	CHI	2002	ISBM-SUS	9	ISBM	US	0.114291
TM	CHI	2002	ISBM-CA_N	10	ISBM	CA	0.005646
TM	CHI	2002	ISBM-CA_S	11	ISBM	CA	0.052181
TM	CHI	2002	Esc_Stray	12	Esc_Stray	Either	0
TM	CHI	2002	Escapemer	13	Esc	CA	0.646807
TM	CHI	2003	SEAK_T-N-S	1	AABM	US	0.001416
TM	CHI	2003	NBC-WCVI	2	AABM	CA	0.05359
TM	CHI	2003	NBC-WCVI	3	AABM	CA	0.02184
TM	CHI	2003	ISBM-CA_T	4	ISBM	CA	0
TM	CHI	2003	ISBM-CA_S	5	ISBM	CA	0.006067
TM	CHI	2003	Fraser_N	6	ISBM	CA	0
TM	CHI	2003	ISBM-CA_S	7	ISBM	CA	0.025683
TM	CHI	2003	ISBM-CA_S	8	ISBM	CA	0.004853
TM	CHI	2003	ISBM-SUS	9	ISBM	US	0.099494
TM	CHI	2003	ISBM-CA_N	10	ISBM	CA	0.002831
TM	CHI	2003	ISBM-CA_S	11	ISBM	CA	0.060667
TM	CHI	2003	Esc_Stray	12	Esc_Stray	Either	0.056421
TM	CHI	2003	Escapemer	13	Esc	CA	0.667139
TM	CHI	2004	SEAK_T-N-S	1	AABM	US	0.001309
TM	CHI	2004	NBC-WCVI	2	AABM	CA	0.053535
TM	CHI	2004	NBC-WCVI	3	AABM	CA	0.022985
TM	CHI	2004	ISBM-CA_T	4	ISBM	CA	0
TM	CHI	2004	ISBM-CA_S	5	ISBM	CA	0
TM	CHI	2004	Fraser_N	6	ISBM	CA	0
TM	CHI	2004	ISBM-CA_S	7	ISBM	CA	0.019203
TM	CHI	2004	ISBM-CA_S	8	ISBM	CA	0.003055
TM	CHI	2004	ISBM-SUS	9	ISBM	US	0.08103
TM	CHI	2004	ISBM-CA_N	10	ISBM	CA	0.006546
TM	CHI	2004	ISBM-CA_S	11	ISBM	CA	0.046407
TM	CHI	2004	Esc_Stray	12	Esc_Stray	Either	0.003637
TM	CHI	2004	Escapemer	13	Esc	CA	0.762293
TM	CHI	2005	SEAK_T-N-S	1	AABM	US	0.000233
TM	CHI	2005	NBC-WCVI	2	AABM	CA	0.071429
TM	CHI	2005	NBC-WCVI	3	AABM	CA	0.029781
TM	CHI	2005	ISBM-CA_T	4	ISBM	CA	0.000931
TM	CHI	2005	ISBM-CA_S	5	ISBM	CA	0.014193
TM	CHI	2005	Fraser_N	6	ISBM	CA	0
TM	CHI	2005	ISBM-CA_S	7	ISBM	CA	0.019777
TM	CHI	2005	ISBM-CA_S	8	ISBM	CA	0.013727
TM	CHI	2005	ISBM-SUS	9	ISBM	US	0.060493
TM	CHI	2005	ISBM-CA_N	10	ISBM	CA	0.031875
TM	CHI	2005	ISBM-CA_S	11	ISBM	CA	0.056073
TM	CHI	2005	Esc_Stray	12	Esc_Stray	Either	0
TM	CHI	2005	Escapemer	13	Esc	CA	0.701489
TM	CHI	2006	SEAK_T-N-S	1	AABM	US	0

MortType	Stock	Year	Fishery	FisheryNun	FisheryType	FisheryCou	Prop_Mort
TM	CHI	2006	NBC-WCVI	2	AABM	CA	0.083121
TM	CHI	2006	NBC-WCVI	3	AABM	CA	0.021509
TM	CHI	2006	ISBM-CA_T	4	ISBM	CA	0
TM	CHI	2006	ISBM-CA_S	5	ISBM	CA	0.000729
TM	CHI	2006	Fraser_N	6	ISBM	CA	0
TM	CHI	2006	ISBM-CA_S	7	ISBM	CA	0.013124
TM	CHI	2006	ISBM-CA_S	8	ISBM	CA	0.010572
TM	CHI	2006	ISBM-SUS	9	ISBM	US	0.051768
TM	CHI	2006	ISBM-CA_N	10	ISBM	CA	0.006198
TM	CHI	2006	ISBM-CA_S	11	ISBM	CA	0.048487
TM	CHI	2006	Esc_Stray	12	Esc_Stray	Either	0.009843
TM	CHI	2006	Escapemer	13	Esc	CA	0.754648
TM	CHI	2007	SEAK_T-N-S	1	AABM	US	0
TM	CHI	2007	NBC-WCVI	2	AABM	CA	0.064583
TM	CHI	2007	NBC-WCVI	3	AABM	CA	0.02427
TM	CHI	2007	ISBM-CA_T	4	ISBM	CA	0
TM	CHI	2007	ISBM-CA_S	5	ISBM	CA	0
TM	CHI	2007	Fraser_N	6	ISBM	CA	0
TM	CHI	2007	ISBM-CA_S	7	ISBM	CA	0.013986
TM	CHI	2007	ISBM-CA_S	8	ISBM	CA	0
TM	CHI	2007	ISBM-SUS	9	ISBM	US	0.037845
TM	CHI	2007	ISBM-CA_N	10	ISBM	CA	0.019334
TM	CHI	2007	ISBM-CA_S	11	ISBM	CA	0.048128
TM	CHI	2007	Esc_Stray	12	Esc_Stray	Either	0.001234
TM	CHI	2007	Escapemer	13	Esc	CA	0.790621
TM	CHI	2008	SEAK_T-N-S	1	AABM	US	0.003147
TM	CHI	2008	NBC-WCVI	2	AABM	CA	0.108741
TM	CHI	2008	NBC-WCVI	3	AABM	CA	0.038462
TM	CHI	2008	ISBM-CA_T	4	ISBM	CA	0.000699
TM	CHI	2008	ISBM-CA_S	5	ISBM	CA	0.01049
TM	CHI	2008	Fraser_N	6	ISBM	CA	0
TM	CHI	2008	ISBM-CA_S	7	ISBM	CA	0.021678
TM	CHI	2008	ISBM-CA_S	8	ISBM	CA	0
TM	CHI	2008	ISBM-SUS	9	ISBM	US	0.092308
TM	CHI	2008	ISBM-CA_N	10	ISBM	CA	0.009441
TM	CHI	2008	ISBM-CA_S	11	ISBM	CA	0.095455
TM	CHI	2008	Esc_Stray	12	Esc_Stray	Either	0.005944
TM	CHI	2008	Escapemer	13	Esc	CA	0.613636
TM	CHI	2009	SEAK_T-N-S	1	AABM	US	0
TM	CHI	2009	NBC-WCVI	2	AABM	CA	0.016745
TM	CHI	2009	NBC-WCVI	3	AABM	CA	0.024113
TM	CHI	2009	ISBM-CA_T	4	ISBM	CA	0.000335
TM	CHI	2009	ISBM-CA_S	5	ISBM	CA	0.008372
TM	CHI	2009	Fraser_N	6	ISBM	CA	0
TM	CHI	2009	ISBM-CA_S	7	ISBM	CA	0.029471
TM	CHI	2009	ISBM-CA_S	8	ISBM	CA	0.008707

MortType	Stock	Year	Fishery	FisheryNun	FisheryTyp	FisheryCou	Prop_Mort
TM	CHI	2009	ISBM-SUS_	9	ISBM	US	0.050904
TM	CHI	2009	ISBM-CA_M	10	ISBM	CA	0.033155
TM	CHI	2009	ISBM-CA_S	11	ISBM	CA	0.139987
TM	CHI	2009	Esc_Stray	12	Esc_Stray	Either	0.012726
TM	CHI	2009	Escapemer	13	Esc	CA	0.675486
TM	CHI	2010	SEAK_T-N-S	1	AABM	US	0.002503
TM	CHI	2010	NBC-WCVI	2	AABM	CA	0.026904
TM	CHI	2010	NBC-WCVI	3	AABM	CA	0.023776
TM	CHI	2010	ISBM-CA_T	4	ISBM	CA	0
TM	CHI	2010	ISBM-CA_S	5	ISBM	CA	0.002033
TM	CHI	2010	Fraser_N	6	ISBM	CA	0.000313
TM	CHI	2010	ISBM-CA_S	7	ISBM	CA	0.04458
TM	CHI	2010	ISBM-CA_S	8	ISBM	CA	0.015799
TM	CHI	2010	ISBM-SUS_	9	ISBM	US	0.066635
TM	CHI	2010	ISBM-CA_M	10	ISBM	CA	0.014391
TM	CHI	2010	ISBM-CA_S	11	ISBM	CA	0.06163
TM	CHI	2010	Esc_Stray	12	Esc_Stray	Either	0.005944
TM	CHI	2010	Escapemer	13	Esc	CA	0.735492
TM	CHI	2011	SEAK_T-N-S	1	AABM	US	0
TM	CHI	2011	NBC-WCVI	2	AABM	CA	0.038259
TM	CHI	2011	NBC-WCVI	3	AABM	CA	0.023976
TM	CHI	2011	ISBM-CA_T	4	ISBM	CA	0.00034
TM	CHI	2011	ISBM-CA_S	5	ISBM	CA	0.006461
TM	CHI	2011	Fraser_N	6	ISBM	CA	0.008502
TM	CHI	2011	ISBM-CA_S	7	ISBM	CA	0.027886
TM	CHI	2011	ISBM-CA_S	8	ISBM	CA	0.005611
TM	CHI	2011	ISBM-SUS_	9	ISBM	US	0.053732
TM	CHI	2011	ISBM-CA_M	10	ISBM	CA	0.006802
TM	CHI	2011	ISBM-CA_S	11	ISBM	CA	0.030097
TM	CHI	2011	Esc_Stray	12	Esc_Stray	Either	0
TM	CHI	2011	Escapemer	13	Esc	CA	0.798334
TM	CHI	2012	SEAK_T-N-S	1	AABM	US	0
TM	CHI	2012	NBC-WCVI	2	AABM	CA	0.010511
TM	CHI	2012	NBC-WCVI	3	AABM	CA	0.014075
TM	CHI	2012	ISBM-CA_T	4	ISBM	CA	0
TM	CHI	2012	ISBM-CA_S	5	ISBM	CA	0.00196
TM	CHI	2012	Fraser_N	6	ISBM	CA	0.00196
TM	CHI	2012	ISBM-CA_S	7	ISBM	CA	0.109745
TM	CHI	2012	ISBM-CA_S	8	ISBM	CA	0.004276
TM	CHI	2012	ISBM-SUS_	9	ISBM	US	0.138963
TM	CHI	2012	ISBM-CA_M	10	ISBM	CA	0.002672
TM	CHI	2012	ISBM-CA_S	11	ISBM	CA	0.053626
TM	CHI	2012	Esc_Stray	12	Esc_Stray	Either	0
TM	CHI	2012	Escapemer	13	Esc	CA	0.662213
TM	CHI	2013	SEAK_T-N-S	1	AABM	US	0.000613
TM	CHI	2013	NBC-WCVI	2	AABM	CA	0.025142

MortType	Stock	Year	Fishery	FisheryNun	FisheryTyp	FisheryCou	Prop_Mort
TM	CHI	2013	NBC-WCVI	3	AABM	CA	0.023072
TM	CHI	2013	ISBM-CA_T	4	ISBM	CA	0.000383
TM	CHI	2013	ISBM-CA_S	5	ISBM	CA	0.001303
TM	CHI	2013	Fraser_N	6	ISBM	CA	0.009505
TM	CHI	2013	ISBM-CA_S	7	ISBM	CA	0.088533
TM	CHI	2013	ISBM-CA_S	8	ISBM	CA	0.013491
TM	CHI	2013	ISBM-SUS	9	ISBM	US	0.102943
TM	CHI	2013	ISBM-CA_N	10	ISBM	CA	0.012954
TM	CHI	2013	ISBM-CA_S	11	ISBM	CA	0.056799
TM	CHI	2013	Esc_Stray	12	Esc_Stray	Either	0.002759
TM	CHI	2013	Escapemer	13	Esc	CA	0.662502
TM	CHI	2014	SEAK_T-N-S	1	AABM	US	0.001338
TM	CHI	2014	NBC-WCVI	2	AABM	CA	0.014048
TM	CHI	2014	NBC-WCVI	3	AABM	CA	0.012208
TM	CHI	2014	ISBM-CA_T	4	ISBM	CA	0.000585
TM	CHI	2014	ISBM-CA_S	5	ISBM	CA	0.002509
TM	CHI	2014	Fraser_N	6	ISBM	CA	0.022577
TM	CHI	2014	ISBM-CA_S	7	ISBM	CA	0.102182
TM	CHI	2014	ISBM-CA_S	8	ISBM	CA	0.011372
TM	CHI	2014	ISBM-SUS	9	ISBM	US	0.07024
TM	CHI	2014	ISBM-CA_N	10	ISBM	CA	0.013463
TM	CHI	2014	ISBM-CA_S	11	ISBM	CA	0.037963
TM	CHI	2014	Esc_Stray	12	Esc_Stray	Either	0.003345
TM	CHI	2014	Escapemer	13	Esc	CA	0.70817
TM	CHI	2015	SEAK_T-N-S	1	AABM	US	0
TM	CHI	2015	NBC-WCVI	2	AABM	CA	0.005059
TM	CHI	2015	NBC-WCVI	3	AABM	CA	0.006008
TM	CHI	2015	ISBM-CA_T	4	ISBM	CA	0.000158
TM	CHI	2015	ISBM-CA_S	5	ISBM	CA	0.000632
TM	CHI	2015	Fraser_N	6	ISBM	CA	0.010909
TM	CHI	2015	ISBM-CA_S	7	ISBM	CA	0.096285
TM	CHI	2015	ISBM-CA_S	8	ISBM	CA	0.007431
TM	CHI	2015	ISBM-SUS	9	ISBM	US	0.055494
TM	CHI	2015	ISBM-CA_N	10	ISBM	CA	0.032411
TM	CHI	2015	ISBM-CA_S	11	ISBM	CA	0.058498
TM	CHI	2015	Esc_Stray	12	Esc_Stray	Either	0.010277
TM	CHI	2015	Escapemer	13	Esc	CA	0.716838
TM	CHI	2016	SEAK_T-N-S	1	AABM	US	0.000876
TM	CHI	2016	NBC-WCVI	2	AABM	CA	0.011092
TM	CHI	2016	NBC-WCVI	3	AABM	CA	0.018097
TM	CHI	2016	ISBM-CA_T	4	ISBM	CA	0
TM	CHI	2016	ISBM-CA_S	5	ISBM	CA	0.001605
TM	CHI	2016	Fraser_N	6	ISBM	CA	0.001605
TM	CHI	2016	ISBM-CA_S	7	ISBM	CA	0.108435
TM	CHI	2016	ISBM-CA_S	8	ISBM	CA	0.003649
TM	CHI	2016	ISBM-SUS	9	ISBM	US	0.029189

MortType	Stock	Year	Fishery	FisheryNun	FisheryTyp	FisheryCou	Prop_Mort
TM	CHI	2016	ISBM-CA_N	10	ISBM	CA	0.007881
TM	CHI	2016	ISBM-CA_S	11	ISBM	CA	0.069177
TM	CHI	2016	Esc_Stray	12	Esc_Stray	Either	0.002919
TM	CHI	2016	Escapemer	13	Esc	CA	0.745476
TM	CHI	2017	SEAK_T-N-S	1	AABM	US	0
TM	CHI	2017	NBC-WCVI	2	AABM	CA	0.018593
TM	CHI	2017	NBC-WCVI	3	AABM	CA	0.033328
TM	CHI	2017	ISBM-CA_T	4	ISBM	CA	0
TM	CHI	2017	ISBM-CA_S	5	ISBM	CA	0.003333
TM	CHI	2017	Fraser_N	6	ISBM	CA	0.004385
TM	CHI	2017	ISBM-CA_S	7	ISBM	CA	0.187862
TM	CHI	2017	ISBM-CA_S	8	ISBM	CA	0.006666
TM	CHI	2017	ISBM-SUS	9	ISBM	US	0.068058
TM	CHI	2017	ISBM-CA_N	10	ISBM	CA	0.005613
TM	CHI	2017	ISBM-CA_S	11	ISBM	CA	0.085073
TM	CHI	2017	Esc_Stray	12	Esc_Stray	Either	0.009472
TM	CHI	2017	Escapemer	13	Esc	CA	0.577618
TM	CHI	2018	SEAK_T-N-S	1	AABM	US	0.001772
TM	CHI	2018	NBC-WCVI	2	AABM	CA	0.00833
TM	CHI	2018	NBC-WCVI	3	AABM	CA	0.010103
TM	CHI	2018	ISBM-CA_T	4	ISBM	CA	0
TM	CHI	2018	ISBM-CA_S	5	ISBM	CA	0.006026
TM	CHI	2018	Fraser_N	6	ISBM	CA	0.007976
TM	CHI	2018	ISBM-CA_S	7	ISBM	CA	0.16519
TM	CHI	2018	ISBM-CA_S	8	ISBM	CA	0.015775
TM	CHI	2018	ISBM-SUS	9	ISBM	US	0.085608
TM	CHI	2018	ISBM-CA_N	10	ISBM	CA	0.015775
TM	CHI	2018	ISBM-CA_S	11	ISBM	CA	0.028713
TM	CHI	2018	Esc_Stray	12	Esc_Stray	Either	0
TM	CHI	2018	Escapemer	13	Esc	CA	0.654732
LC	HAR	1979	SEAK_T-N-S	1	AABM	US	NA
LC	HAR	1979	NBC-WCVI	2	AABM	CA	NA
LC	HAR	1979	NBC-WCVI	3	AABM	CA	NA
LC	HAR	1979	ISBM-CA_T	4	ISBM	CA	NA
LC	HAR	1979	ISBM-CA_S	5	ISBM	CA	NA
LC	HAR	1979	Fraser_N	6	ISBM	CA	NA
LC	HAR	1979	ISBM-CA_S	7	ISBM	CA	NA
LC	HAR	1979	ISBM-CA_S	8	ISBM	CA	NA
LC	HAR	1979	ISBM-SUS	9	ISBM	US	NA
LC	HAR	1979	ISBM-CA_N	10	ISBM	CA	NA
LC	HAR	1979	ISBM-CA_S	11	ISBM	CA	NA
LC	HAR	1979	Esc_Stray	12	Esc_Stray	Either	NA
LC	HAR	1979	Escapemer	13	Esc	CA	NA
LC	HAR	1980	SEAK_T-N-S	1	AABM	US	NA
LC	HAR	1980	NBC-WCVI	2	AABM	CA	NA
LC	HAR	1980	NBC-WCVI	3	AABM	CA	NA

MortType	Stock	Year	Fishery	FisheryNum	FisheryTyp	FisheryCou	Prop_Mort
LC	HAR	1980	ISBM-CA_T	4	ISBM	CA	NA
LC	HAR	1980	ISBM-CA_S	5	ISBM	CA	NA
LC	HAR	1980	Fraser_N	6	ISBM	CA	NA
LC	HAR	1980	ISBM-CA_S	7	ISBM	CA	NA
LC	HAR	1980	ISBM-CA_S	8	ISBM	CA	NA
LC	HAR	1980	ISBM-SUS	9	ISBM	US	NA
LC	HAR	1980	ISBM-CA_N	10	ISBM	CA	NA
LC	HAR	1980	ISBM-CA_S	11	ISBM	CA	NA
LC	HAR	1980	Esc_Stray	12	Esc_Stray	Either	NA
LC	HAR	1980	Escapemer	13	Esc	CA	NA
LC	HAR	1981	SEAK_T-N-S	1	AABM	US	NA
LC	HAR	1981	NBC-WCVI	2	AABM	CA	NA
LC	HAR	1981	NBC-WCVI	3	AABM	CA	NA
LC	HAR	1981	ISBM-CA_T	4	ISBM	CA	NA
LC	HAR	1981	ISBM-CA_S	5	ISBM	CA	NA
LC	HAR	1981	Fraser_N	6	ISBM	CA	NA
LC	HAR	1981	ISBM-CA_S	7	ISBM	CA	NA
LC	HAR	1981	ISBM-CA_S	8	ISBM	CA	NA
LC	HAR	1981	ISBM-SUS	9	ISBM	US	NA
LC	HAR	1981	ISBM-CA_N	10	ISBM	CA	NA
LC	HAR	1981	ISBM-CA_S	11	ISBM	CA	NA
LC	HAR	1981	Esc_Stray	12	Esc_Stray	Either	NA
LC	HAR	1981	Escapemer	13	Esc	CA	NA
LC	HAR	1982	SEAK_T-N-S	1	AABM	US	NA
LC	HAR	1982	NBC-WCVI	2	AABM	CA	NA
LC	HAR	1982	NBC-WCVI	3	AABM	CA	NA
LC	HAR	1982	ISBM-CA_T	4	ISBM	CA	NA
LC	HAR	1982	ISBM-CA_S	5	ISBM	CA	NA
LC	HAR	1982	Fraser_N	6	ISBM	CA	NA
LC	HAR	1982	ISBM-CA_S	7	ISBM	CA	NA
LC	HAR	1982	ISBM-CA_S	8	ISBM	CA	NA
LC	HAR	1982	ISBM-SUS	9	ISBM	US	NA
LC	HAR	1982	ISBM-CA_N	10	ISBM	CA	NA
LC	HAR	1982	ISBM-CA_S	11	ISBM	CA	NA
LC	HAR	1982	Esc_Stray	12	Esc_Stray	Either	NA
LC	HAR	1982	Escapemer	13	Esc	CA	NA
LC	HAR	1983	SEAK_T-N-S	1	AABM	US	NA
LC	HAR	1983	NBC-WCVI	2	AABM	CA	NA
LC	HAR	1983	NBC-WCVI	3	AABM	CA	NA
LC	HAR	1983	ISBM-CA_T	4	ISBM	CA	NA
LC	HAR	1983	ISBM-CA_S	5	ISBM	CA	NA
LC	HAR	1983	Fraser_N	6	ISBM	CA	NA
LC	HAR	1983	ISBM-CA_S	7	ISBM	CA	NA
LC	HAR	1983	ISBM-CA_S	8	ISBM	CA	NA
LC	HAR	1983	ISBM-SUS	9	ISBM	US	NA
LC	HAR	1983	ISBM-CA_N	10	ISBM	CA	NA

MortType	Stock	Year	Fishery	FisheryNum	FisheryType	FisheryCou	Prop_Mort
LC	HAR	1983	ISBM-CA_S	11	ISBM	CA	NA
LC	HAR	1983	Esc_Stray	12	Esc_Stray	Either	NA
LC	HAR	1983	Escapemer	13	Esc	CA	NA
LC	HAR	1984	SEAK_T-N-S	1	AABM	US	0.000454
LC	HAR	1984	NBC-WCVI	2	AABM	CA	0.290645
LC	HAR	1984	NBC-WCVI	3	AABM	CA	0
LC	HAR	1984	ISBM-CA_T	4	ISBM	CA	0.210263
LC	HAR	1984	ISBM-CA_S	5	ISBM	CA	0
LC	HAR	1984	Fraser_N	6	ISBM	CA	0.040418
LC	HAR	1984	ISBM-CA_S	7	ISBM	CA	0.263851
LC	HAR	1984	ISBM-CA_S	8	ISBM	CA	0.004541
LC	HAR	1984	ISBM-SUS	9	ISBM	US	0.074932
LC	HAR	1984	ISBM-CA_N	10	ISBM	CA	0
LC	HAR	1984	ISBM-CA_S	11	ISBM	CA	0.004541
LC	HAR	1984	Esc_Stray	12	Esc_Stray	Either	0
LC	HAR	1984	Escapemer	13	Esc	CA	0.110354
LC	HAR	1985	SEAK_T-N-S	1	AABM	US	0.001218
LC	HAR	1985	NBC-WCVI	2	AABM	CA	0.23447
LC	HAR	1985	NBC-WCVI	3	AABM	CA	0.004263
LC	HAR	1985	ISBM-CA_T	4	ISBM	CA	0.121803
LC	HAR	1985	ISBM-CA_S	5	ISBM	CA	0.002436
LC	HAR	1985	Fraser_N	6	ISBM	CA	0.007308
LC	HAR	1985	ISBM-CA_S	7	ISBM	CA	0.239342
LC	HAR	1985	ISBM-CA_S	8	ISBM	CA	0
LC	HAR	1985	ISBM-SUS	9	ISBM	US	0.075518
LC	HAR	1985	ISBM-CA_N	10	ISBM	CA	0
LC	HAR	1985	ISBM-CA_S	11	ISBM	CA	0.003654
LC	HAR	1985	Esc_Stray	12	Esc_Stray	Either	0
LC	HAR	1985	Escapemer	13	Esc	CA	0.309988
LC	HAR	1986	SEAK_T-N-S	1	AABM	US	0.013319
LC	HAR	1986	NBC-WCVI	2	AABM	CA	0.174251
LC	HAR	1986	NBC-WCVI	3	AABM	CA	0.00444
LC	HAR	1986	ISBM-CA_T	4	ISBM	CA	0.239734
LC	HAR	1986	ISBM-CA_S	5	ISBM	CA	0.00333
LC	HAR	1986	Fraser_N	6	ISBM	CA	0.057714
LC	HAR	1986	ISBM-CA_S	7	ISBM	CA	0.221976
LC	HAR	1986	ISBM-CA_S	8	ISBM	CA	0.006659
LC	HAR	1986	ISBM-SUS	9	ISBM	US	0.045505
LC	HAR	1986	ISBM-CA_N	10	ISBM	CA	0
LC	HAR	1986	ISBM-CA_S	11	ISBM	CA	0
LC	HAR	1986	Esc_Stray	12	Esc_Stray	Either	0
LC	HAR	1986	Escapemer	13	Esc	CA	0.233074
LC	HAR	1987	SEAK_T-N-S	1	AABM	US	0.005367
LC	HAR	1987	NBC-WCVI	2	AABM	CA	0.076923
LC	HAR	1987	NBC-WCVI	3	AABM	CA	0
LC	HAR	1987	ISBM-CA_T	4	ISBM	CA	0.101968

MortType	Stock	Year	Fishery	FisheryNum	FisheryType	FisheryCou	Prop_Mort
LC	HAR	1987	ISBM-CA_S	5	ISBM	CA	0
LC	HAR	1987	Fraser_N	6	ISBM	CA	0.037567
LC	HAR	1987	ISBM-CA_S	7	ISBM	CA	0.241503
LC	HAR	1987	ISBM-CA_S	8	ISBM	CA	0
LC	HAR	1987	ISBM-SUS_	9	ISBM	US	0.121646
LC	HAR	1987	ISBM-CA_N	10	ISBM	CA	0
LC	HAR	1987	ISBM-CA_S	11	ISBM	CA	0.008945
LC	HAR	1987	Esc_Stray	12	Esc_Stray	Either	0
LC	HAR	1987	Escapemer	13	Esc	CA	0.406082
LC	HAR	1988	SEAK_T-N-S	1	AABM	US	0.007785
LC	HAR	1988	NBC-WCVI_	2	AABM	CA	0.034602
LC	HAR	1988	NBC-WCVI_	3	AABM	CA	0.024222
LC	HAR	1988	ISBM-CA_T	4	ISBM	CA	0.163495
LC	HAR	1988	ISBM-CA_S	5	ISBM	CA	0.012111
LC	HAR	1988	Fraser_N	6	ISBM	CA	0.044983
LC	HAR	1988	ISBM-CA_S	7	ISBM	CA	0.151384
LC	HAR	1988	ISBM-CA_S	8	ISBM	CA	0
LC	HAR	1988	ISBM-SUS_	9	ISBM	US	0.168685
LC	HAR	1988	ISBM-CA_N	10	ISBM	CA	0
LC	HAR	1988	ISBM-CA_S	11	ISBM	CA	0.004325
LC	HAR	1988	Esc_Stray	12	Esc_Stray	Either	0
LC	HAR	1988	Escapemer	13	Esc	CA	0.388408
LC	HAR	1989	SEAK_T-N-S	1	AABM	US	0.001923
LC	HAR	1989	NBC-WCVI_	2	AABM	CA	0.223077
LC	HAR	1989	NBC-WCVI_	3	AABM	CA	0.010096
LC	HAR	1989	ISBM-CA_T	4	ISBM	CA	0.094231
LC	HAR	1989	ISBM-CA_S	5	ISBM	CA	0
LC	HAR	1989	Fraser_N	6	ISBM	CA	0.028365
LC	HAR	1989	ISBM-CA_S	7	ISBM	CA	0.195192
LC	HAR	1989	ISBM-CA_S	8	ISBM	CA	0.004327
LC	HAR	1989	ISBM-SUS_	9	ISBM	US	0.158654
LC	HAR	1989	ISBM-CA_N	10	ISBM	CA	0
LC	HAR	1989	ISBM-CA_S	11	ISBM	CA	0
LC	HAR	1989	Esc_Stray	12	Esc_Stray	Either	0
LC	HAR	1989	Escapemer	13	Esc	CA	0.284135
LC	HAR	1990	SEAK_T-N-S	1	AABM	US	0.002536
LC	HAR	1990	NBC-WCVI_	2	AABM	CA	0.2
LC	HAR	1990	NBC-WCVI_	3	AABM	CA	0.011232
LC	HAR	1990	ISBM-CA_T	4	ISBM	CA	0.063406
LC	HAR	1990	ISBM-CA_S	5	ISBM	CA	0
LC	HAR	1990	Fraser_N	6	ISBM	CA	0
LC	HAR	1990	ISBM-CA_S	7	ISBM	CA	0.096015
LC	HAR	1990	ISBM-CA_S	8	ISBM	CA	0.001449
LC	HAR	1990	ISBM-SUS_	9	ISBM	US	0.12971
LC	HAR	1990	ISBM-CA_N	10	ISBM	CA	0.013768
LC	HAR	1990	ISBM-CA_S	11	ISBM	CA	0.003261

MortType	Stock	Year	Fishery	FisheryNum	FisheryType	FisheryCou	Prop_Mort
LC	HAR	1990	Esc_Stray	12	Esc_Stray	Either	0
LC	HAR	1990	Escapemer	13	Esc	CA	0.478623
LC	HAR	1991	SEAK_T-N-S	1	AABM	US	0.00072
LC	HAR	1991	NBC-WCVI	2	AABM	CA	0.256484
LC	HAR	1991	NBC-WCVI	3	AABM	CA	0
LC	HAR	1991	ISBM-CA_T	4	ISBM	CA	0.115994
LC	HAR	1991	ISBM-CA_S	5	ISBM	CA	0
LC	HAR	1991	Fraser_N	6	ISBM	CA	0
LC	HAR	1991	ISBM-CA_S	7	ISBM	CA	0.095101
LC	HAR	1991	ISBM-CA_S	8	ISBM	CA	0.002161
LC	HAR	1991	ISBM-SUS	9	ISBM	US	0.175072
LC	HAR	1991	ISBM-CA_N	10	ISBM	CA	0.01513
LC	HAR	1991	ISBM-CA_S	11	ISBM	CA	0.004323
LC	HAR	1991	Esc_Stray	12	Esc_Stray	Either	0
LC	HAR	1991	Escapemer	13	Esc	CA	0.335014
LC	HAR	1992	SEAK_T-N-S	1	AABM	US	0
LC	HAR	1992	NBC-WCVI	2	AABM	CA	0.167677
LC	HAR	1992	NBC-WCVI	3	AABM	CA	0
LC	HAR	1992	ISBM-CA_T	4	ISBM	CA	0.120539
LC	HAR	1992	ISBM-CA_S	5	ISBM	CA	0
LC	HAR	1992	Fraser_N	6	ISBM	CA	0
LC	HAR	1992	ISBM-CA_S	7	ISBM	CA	0.09899
LC	HAR	1992	ISBM-CA_S	8	ISBM	CA	0.010101
LC	HAR	1992	ISBM-SUS	9	ISBM	US	0.183165
LC	HAR	1992	ISBM-CA_N	10	ISBM	CA	0.007407
LC	HAR	1992	ISBM-CA_S	11	ISBM	CA	0.002694
LC	HAR	1992	Esc_Stray	12	Esc_Stray	Either	0
LC	HAR	1992	Escapemer	13	Esc	CA	0.409428
LC	HAR	1993	SEAK_T-N-S	1	AABM	US	0.007605
LC	HAR	1993	NBC-WCVI	2	AABM	CA	0.175856
LC	HAR	1993	NBC-WCVI	3	AABM	CA	0
LC	HAR	1993	ISBM-CA_T	4	ISBM	CA	0.068441
LC	HAR	1993	ISBM-CA_S	5	ISBM	CA	0
LC	HAR	1993	Fraser_N	6	ISBM	CA	0
LC	HAR	1993	ISBM-CA_S	7	ISBM	CA	0.065589
LC	HAR	1993	ISBM-CA_S	8	ISBM	CA	0.001901
LC	HAR	1993	ISBM-SUS	9	ISBM	US	0.120722
LC	HAR	1993	ISBM-CA_N	10	ISBM	CA	0.021863
LC	HAR	1993	ISBM-CA_S	11	ISBM	CA	0
LC	HAR	1993	Esc_Stray	12	Esc_Stray	Either	0
LC	HAR	1993	Escapemer	13	Esc	CA	0.538023
LC	HAR	1994	SEAK_T-N-S	1	AABM	US	0
LC	HAR	1994	NBC-WCVI	2	AABM	CA	0.186352
LC	HAR	1994	NBC-WCVI	3	AABM	CA	0.020997
LC	HAR	1994	ISBM-CA_T	4	ISBM	CA	0.12336
LC	HAR	1994	ISBM-CA_S	5	ISBM	CA	0

MortType	Stock	Year	Fishery	FisheryNun	FisheryType	FisheryCou	Prop_Mort
LC	HAR	1994	Fraser_N	6	ISBM	CA	0
LC	HAR	1994	ISBM-CA_S	7	ISBM	CA	0.052493
LC	HAR	1994	ISBM-CA_S	8	ISBM	CA	0.007874
LC	HAR	1994	ISBM-SUS	9	ISBM	US	0.086614
LC	HAR	1994	ISBM-CA_N	10	ISBM	CA	0.020997
LC	HAR	1994	ISBM-CA_S	11	ISBM	CA	0.010499
LC	HAR	1994	Esc_Stray	12	Esc_Stray	Either	0
LC	HAR	1994	Escapemer	13	Esc	CA	0.490814
LC	HAR	1995	SEAK_T-N-S	1	AABM	US	0
LC	HAR	1995	NBC-WCVI	2	AABM	CA	0.139053
LC	HAR	1995	NBC-WCVI	3	AABM	CA	0
LC	HAR	1995	ISBM-CA_T	4	ISBM	CA	0.02071
LC	HAR	1995	ISBM-CA_S	5	ISBM	CA	0.008876
LC	HAR	1995	Fraser_N	6	ISBM	CA	0
LC	HAR	1995	ISBM-CA_S	7	ISBM	CA	0.08284
LC	HAR	1995	ISBM-CA_S	8	ISBM	CA	0.005917
LC	HAR	1995	ISBM-SUS	9	ISBM	US	0.142012
LC	HAR	1995	ISBM-CA_N	10	ISBM	CA	0.026627
LC	HAR	1995	ISBM-CA_S	11	ISBM	CA	0.008876
LC	HAR	1995	Esc_Stray	12	Esc_Stray	Either	0.059172
LC	HAR	1995	Escapemer	13	Esc	CA	0.505917
LC	HAR	1996	SEAK_T-N-S	1	AABM	US	0.001011
LC	HAR	1996	NBC-WCVI	2	AABM	CA	0
LC	HAR	1996	NBC-WCVI	3	AABM	CA	0.002022
LC	HAR	1996	ISBM-CA_T	4	ISBM	CA	0.004044
LC	HAR	1996	ISBM-CA_S	5	ISBM	CA	0
LC	HAR	1996	Fraser_N	6	ISBM	CA	0
LC	HAR	1996	ISBM-CA_S	7	ISBM	CA	0.134479
LC	HAR	1996	ISBM-CA_S	8	ISBM	CA	0.004044
LC	HAR	1996	ISBM-SUS	9	ISBM	US	0.095046
LC	HAR	1996	ISBM-CA_N	10	ISBM	CA	0.004044
LC	HAR	1996	ISBM-CA_S	11	ISBM	CA	0
LC	HAR	1996	Esc_Stray	12	Esc_Stray	Either	0.001011
LC	HAR	1996	Escapemer	13	Esc	CA	0.754297
LC	HAR	1997	SEAK_T-N-S	1	AABM	US	0.013351
LC	HAR	1997	NBC-WCVI	2	AABM	CA	0.108144
LC	HAR	1997	NBC-WCVI	3	AABM	CA	0.034713
LC	HAR	1997	ISBM-CA_T	4	ISBM	CA	0.010681
LC	HAR	1997	ISBM-CA_S	5	ISBM	CA	0.001335
LC	HAR	1997	Fraser_N	6	ISBM	CA	0
LC	HAR	1997	ISBM-CA_S	7	ISBM	CA	0.152203
LC	HAR	1997	ISBM-CA_S	8	ISBM	CA	0.010681
LC	HAR	1997	ISBM-SUS	9	ISBM	US	0.193591
LC	HAR	1997	ISBM-CA_N	10	ISBM	CA	0.025367
LC	HAR	1997	ISBM-CA_S	11	ISBM	CA	0
LC	HAR	1997	Esc_Stray	12	Esc_Stray	Either	0

MortType	Stock	Year	Fishery	FisheryNun	FisheryType	FisheryCou	Prop_Mort
LC	HAR	1997	Escapemen	13	Esc	CA	0.449933
LC	HAR	1998	SEAK_T-N-S	1	AABM	US	0.006903
LC	HAR	1998	NBC-WCVI	2	AABM	CA	0.00604
LC	HAR	1998	NBC-WCVI	3	AABM	CA	0
LC	HAR	1998	ISBM-CA_T	4	ISBM	CA	0
LC	HAR	1998	ISBM-CA_S	5	ISBM	CA	0
LC	HAR	1998	Fraser_N	6	ISBM	CA	0
LC	HAR	1998	ISBM-CA_S	7	ISBM	CA	0.024159
LC	HAR	1998	ISBM-CA_S	8	ISBM	CA	0.002588
LC	HAR	1998	ISBM-SUS	9	ISBM	US	0.051769
LC	HAR	1998	ISBM-CA_N	10	ISBM	CA	0.002588
LC	HAR	1998	ISBM-CA_S	11	ISBM	CA	0
LC	HAR	1998	Esc_Stray	12	Esc_Stray	Either	0.008628
LC	HAR	1998	Escapemen	13	Esc	CA	0.897325
LC	HAR	1999	SEAK_T-N-S	1	AABM	US	0.00423
LC	HAR	1999	NBC-WCVI	2	AABM	CA	0.010152
LC	HAR	1999	NBC-WCVI	3	AABM	CA	0.01269
LC	HAR	1999	ISBM-CA_T	4	ISBM	CA	0.002538
LC	HAR	1999	ISBM-CA_S	5	ISBM	CA	0.005922
LC	HAR	1999	Fraser_N	6	ISBM	CA	0
LC	HAR	1999	ISBM-CA_S	7	ISBM	CA	0.075296
LC	HAR	1999	ISBM-CA_S	8	ISBM	CA	0.002538
LC	HAR	1999	ISBM-SUS	9	ISBM	US	0.143824
LC	HAR	1999	ISBM-CA_N	10	ISBM	CA	0.006768
LC	HAR	1999	ISBM-CA_S	11	ISBM	CA	0.002538
LC	HAR	1999	Esc_Stray	12	Esc_Stray	Either	0.009306
LC	HAR	1999	Escapemen	13	Esc	CA	0.724196
LC	HAR	2000	SEAK_T-N-S	1	AABM	US	0.016514
LC	HAR	2000	NBC-WCVI	2	AABM	CA	0.143119
LC	HAR	2000	NBC-WCVI	3	AABM	CA	0.040367
LC	HAR	2000	ISBM-CA_T	4	ISBM	CA	0
LC	HAR	2000	ISBM-CA_S	5	ISBM	CA	0
LC	HAR	2000	Fraser_N	6	ISBM	CA	0
LC	HAR	2000	ISBM-CA_S	7	ISBM	CA	0.095413
LC	HAR	2000	ISBM-CA_S	8	ISBM	CA	0
LC	HAR	2000	ISBM-SUS	9	ISBM	US	0.152294
LC	HAR	2000	ISBM-CA_N	10	ISBM	CA	0
LC	HAR	2000	ISBM-CA_S	11	ISBM	CA	0
LC	HAR	2000	Esc_Stray	12	Esc_Stray	Either	0
LC	HAR	2000	Escapemen	13	Esc	CA	0.552294
LC	HAR	2001	SEAK_T-N-S	1	AABM	US	0.00227
LC	HAR	2001	NBC-WCVI	2	AABM	CA	0.059024
LC	HAR	2001	NBC-WCVI	3	AABM	CA	0.019296
LC	HAR	2001	ISBM-CA_T	4	ISBM	CA	0
LC	HAR	2001	ISBM-CA_S	5	ISBM	CA	0
LC	HAR	2001	Fraser_N	6	ISBM	CA	0

MortType	Stock	Year	Fishery	FisheryNum	FisheryType	FisheryCou	Prop_Mort
LC	HAR	2001	ISBM-CA_S	7	ISBM	CA	0.045403
LC	HAR	2001	ISBM-CA_S	8	ISBM	CA	0
LC	HAR	2001	ISBM-SUS	9	ISBM	US	0.097616
LC	HAR	2001	ISBM-CA_N	10	ISBM	CA	0
LC	HAR	2001	ISBM-CA_S	11	ISBM	CA	0
LC	HAR	2001	Esc_Stray	12	Esc_Stray	Either	0.005675
LC	HAR	2001	Escapemer	13	Esc	CA	0.770715
LC	HAR	2002	SEAK_T-N-S	1	AABM	US	0.004444
LC	HAR	2002	NBC-WCVI	2	AABM	CA	0.091111
LC	HAR	2002	NBC-WCVI	3	AABM	CA	0.022222
LC	HAR	2002	ISBM-CA_T	4	ISBM	CA	0.004444
LC	HAR	2002	ISBM-CA_S	5	ISBM	CA	0
LC	HAR	2002	Fraser_N	6	ISBM	CA	0
LC	HAR	2002	ISBM-CA_S	7	ISBM	CA	0.053333
LC	HAR	2002	ISBM-CA_S	8	ISBM	CA	0.015556
LC	HAR	2002	ISBM-SUS	9	ISBM	US	0.155556
LC	HAR	2002	ISBM-CA_N	10	ISBM	CA	0.008889
LC	HAR	2002	ISBM-CA_S	11	ISBM	CA	0
LC	HAR	2002	Esc_Stray	12	Esc_Stray	Either	0.002222
LC	HAR	2002	Escapemer	13	Esc	CA	0.642222
LC	HAR	2003	SEAK_T-N-S	1	AABM	US	0.015345
LC	HAR	2003	NBC-WCVI	2	AABM	CA	0.102302
LC	HAR	2003	NBC-WCVI	3	AABM	CA	0.030691
LC	HAR	2003	ISBM-CA_T	4	ISBM	CA	0
LC	HAR	2003	ISBM-CA_S	5	ISBM	CA	0.012788
LC	HAR	2003	Fraser_N	6	ISBM	CA	0
LC	HAR	2003	ISBM-CA_S	7	ISBM	CA	0.023018
LC	HAR	2003	ISBM-CA_S	8	ISBM	CA	0.023018
LC	HAR	2003	ISBM-SUS	9	ISBM	US	0.109974
LC	HAR	2003	ISBM-CA_N	10	ISBM	CA	0.02046
LC	HAR	2003	ISBM-CA_S	11	ISBM	CA	0
LC	HAR	2003	Esc_Stray	12	Esc_Stray	Either	0.005115
LC	HAR	2003	Escapemer	13	Esc	CA	0.657289
LC	HAR	2004	SEAK_T-N-S	1	AABM	US	0.009328
LC	HAR	2004	NBC-WCVI	2	AABM	CA	0.188433
LC	HAR	2004	NBC-WCVI	3	AABM	CA	0.057836
LC	HAR	2004	ISBM-CA_T	4	ISBM	CA	0
LC	HAR	2004	ISBM-CA_S	5	ISBM	CA	0
LC	HAR	2004	Fraser_N	6	ISBM	CA	0
LC	HAR	2004	ISBM-CA_S	7	ISBM	CA	0
LC	HAR	2004	ISBM-CA_S	8	ISBM	CA	0.007463
LC	HAR	2004	ISBM-SUS	9	ISBM	US	0.171642
LC	HAR	2004	ISBM-CA_N	10	ISBM	CA	0.026119
LC	HAR	2004	ISBM-CA_S	11	ISBM	CA	0
LC	HAR	2004	Esc_Stray	12	Esc_Stray	Either	0
LC	HAR	2004	Escapemer	13	Esc	CA	0.539179

MortType	Stock	Year	Fishery	FisheryNun	FisheryType	FisheryCou	Prop_Mort
LC	HAR	2005	SEAK_T-N-S	1	AABM	US	0
LC	HAR	2005	NBC-WCVI	2	AABM	CA	0.14121
LC	HAR	2005	NBC-WCVI	3	AABM	CA	0.036023
LC	HAR	2005	ISBM-CA_T	4	ISBM	CA	0
LC	HAR	2005	ISBM-CA_S	5	ISBM	CA	0
LC	HAR	2005	Fraser_N	6	ISBM	CA	0
LC	HAR	2005	ISBM-CA_S	7	ISBM	CA	0.036023
LC	HAR	2005	ISBM-CA_S	8	ISBM	CA	0.023055
LC	HAR	2005	ISBM-SUS	9	ISBM	US	0.090778
LC	HAR	2005	ISBM-CA_N	10	ISBM	CA	0.053314
LC	HAR	2005	ISBM-CA_S	11	ISBM	CA	0
LC	HAR	2005	Esc_Stray	12	Esc_Stray	Either	0.012968
LC	HAR	2005	Escapemer	13	Esc	CA	0.606628
LC	HAR	2006	SEAK_T-N-S	1	AABM	US	0.01005
LC	HAR	2006	NBC-WCVI	2	AABM	CA	0.213568
LC	HAR	2006	NBC-WCVI	3	AABM	CA	0.052764
LC	HAR	2006	ISBM-CA_T	4	ISBM	CA	0
LC	HAR	2006	ISBM-CA_S	5	ISBM	CA	0
LC	HAR	2006	Fraser_N	6	ISBM	CA	0
LC	HAR	2006	ISBM-CA_S	7	ISBM	CA	0
LC	HAR	2006	ISBM-CA_S	8	ISBM	CA	0.025126
LC	HAR	2006	ISBM-SUS	9	ISBM	US	0.155779
LC	HAR	2006	ISBM-CA_N	10	ISBM	CA	0
LC	HAR	2006	ISBM-CA_S	11	ISBM	CA	0
LC	HAR	2006	Esc_Stray	12	Esc_Stray	Either	0
LC	HAR	2006	Escapemer	13	Esc	CA	0.542714
LC	HAR	2007	SEAK_T-N-S	1	AABM	US	0
LC	HAR	2007	NBC-WCVI	2	AABM	CA	0.081433
LC	HAR	2007	NBC-WCVI	3	AABM	CA	0.004343
LC	HAR	2007	ISBM-CA_T	4	ISBM	CA	0
LC	HAR	2007	ISBM-CA_S	5	ISBM	CA	0.005429
LC	HAR	2007	Fraser_N	6	ISBM	CA	0
LC	HAR	2007	ISBM-CA_S	7	ISBM	CA	0.010858
LC	HAR	2007	ISBM-CA_S	8	ISBM	CA	0
LC	HAR	2007	ISBM-SUS	9	ISBM	US	0.008686
LC	HAR	2007	ISBM-CA_N	10	ISBM	CA	0
LC	HAR	2007	ISBM-CA_S	11	ISBM	CA	0
LC	HAR	2007	Esc_Stray	12	Esc_Stray	Either	0
LC	HAR	2007	Escapemer	13	Esc	CA	0.889251
LC	HAR	2008	SEAK_T-N-S	1	AABM	US	0.00489
LC	HAR	2008	NBC-WCVI	2	AABM	CA	0.261614
LC	HAR	2008	NBC-WCVI	3	AABM	CA	0.08802
LC	HAR	2008	ISBM-CA_T	4	ISBM	CA	0.001222
LC	HAR	2008	ISBM-CA_S	5	ISBM	CA	0.01467
LC	HAR	2008	Fraser_N	6	ISBM	CA	0
LC	HAR	2008	ISBM-CA_S	7	ISBM	CA	0.031785

MortType	Stock	Year	Fishery	FisheryNun	FisheryType	FisheryCou	Prop_Mort
LC	HAR	2008	ISBM-CA_S	8	ISBM	CA	0.012225
LC	HAR	2008	ISBM-SUS	9	ISBM	US	0.085575
LC	HAR	2008	ISBM-CA_N	10	ISBM	CA	0.00489
LC	HAR	2008	ISBM-CA_S	11	ISBM	CA	0
LC	HAR	2008	Esc_Stray	12	Esc_Stray	Either	0
LC	HAR	2008	Escapemer	13	Esc	CA	0.49511
LC	HAR	2009	SEAK_T-N-S	1	AABM	US	0
LC	HAR	2009	NBC-WCVI	2	AABM	CA	0.012381
LC	HAR	2009	NBC-WCVI	3	AABM	CA	0.030476
LC	HAR	2009	ISBM-CA_T	4	ISBM	CA	0
LC	HAR	2009	ISBM-CA_S	5	ISBM	CA	0
LC	HAR	2009	Fraser_N	6	ISBM	CA	0
LC	HAR	2009	ISBM-CA_S	7	ISBM	CA	0.026191
LC	HAR	2009	ISBM-CA_S	8	ISBM	CA	0.002381
LC	HAR	2009	ISBM-SUS	9	ISBM	US	0.017619
LC	HAR	2009	ISBM-CA_N	10	ISBM	CA	0.015714
LC	HAR	2009	ISBM-CA_S	11	ISBM	CA	0.015714
LC	HAR	2009	Esc_Stray	12	Esc_Stray	Either	0.000476
LC	HAR	2009	Escapemer	13	Esc	CA	0.879048
LC	HAR	2010	SEAK_T-N-S	1	AABM	US	0.004149
LC	HAR	2010	NBC-WCVI	2	AABM	CA	0.040975
LC	HAR	2010	NBC-WCVI	3	AABM	CA	0.031639
LC	HAR	2010	ISBM-CA_T	4	ISBM	CA	0
LC	HAR	2010	ISBM-CA_S	5	ISBM	CA	0.006743
LC	HAR	2010	Fraser_N	6	ISBM	CA	0
LC	HAR	2010	ISBM-CA_S	7	ISBM	CA	0.02749
LC	HAR	2010	ISBM-CA_S	8	ISBM	CA	0.013486
LC	HAR	2010	ISBM-SUS	9	ISBM	US	0.065871
LC	HAR	2010	ISBM-CA_N	10	ISBM	CA	0.010892
LC	HAR	2010	ISBM-CA_S	11	ISBM	CA	0.003112
LC	HAR	2010	Esc_Stray	12	Esc_Stray	Either	0.000519
LC	HAR	2010	Escapemer	13	Esc	CA	0.795124
LC	HAR	2011	SEAK_T-N-S	1	AABM	US	0.002263
LC	HAR	2011	NBC-WCVI	2	AABM	CA	0.034327
LC	HAR	2011	NBC-WCVI	3	AABM	CA	0.050547
LC	HAR	2011	ISBM-CA_T	4	ISBM	CA	0
LC	HAR	2011	ISBM-CA_S	5	ISBM	CA	0.010185
LC	HAR	2011	Fraser_N	6	ISBM	CA	0.00679
LC	HAR	2011	ISBM-CA_S	7	ISBM	CA	0.033195
LC	HAR	2011	ISBM-CA_S	8	ISBM	CA	0.002263
LC	HAR	2011	ISBM-SUS	9	ISBM	US	0.055451
LC	HAR	2011	ISBM-CA_N	10	ISBM	CA	0.013957
LC	HAR	2011	ISBM-CA_S	11	ISBM	CA	0
LC	HAR	2011	Esc_Stray	12	Esc_Stray	Either	0
LC	HAR	2011	Escapemer	13	Esc	CA	0.791022
LC	HAR	2012	SEAK_T-N-S	1	AABM	US	0.002071

MortType	Stock	Year	Fishery	FisheryNun	FisheryTyp	FisheryCou	Prop_Mort
LC	HAR	2012	NBC-WCVI	2	AABM	CA	0.012947
LC	HAR	2012	NBC-WCVI	3	AABM	CA	0.005697
LC	HAR	2012	ISBM-CA_T	4	ISBM	CA	0
LC	HAR	2012	ISBM-CA_S	5	ISBM	CA	0.003107
LC	HAR	2012	Fraser_N	6	ISBM	CA	0.001036
LC	HAR	2012	ISBM-CA_S	7	ISBM	CA	0.051269
LC	HAR	2012	ISBM-CA_S	8	ISBM	CA	0.010875
LC	HAR	2012	ISBM-SUS	9	ISBM	US	0.061626
LC	HAR	2012	ISBM-CA_N	10	ISBM	CA	0.003625
LC	HAR	2012	ISBM-CA_S	11	ISBM	CA	0.009322
LC	HAR	2012	Esc_Stray	12	Esc_Stray	Either	0.000518
LC	HAR	2012	Escapemen	13	Esc	CA	0.837908
LC	HAR	2013	SEAK_T-N-S	1	AABM	US	0.001246
LC	HAR	2013	NBC-WCVI	2	AABM	CA	0.019321
LC	HAR	2013	NBC-WCVI	3	AABM	CA	0.020256
LC	HAR	2013	ISBM-CA_T	4	ISBM	CA	0
LC	HAR	2013	ISBM-CA_S	5	ISBM	CA	0.002805
LC	HAR	2013	Fraser_N	6	ISBM	CA	0.004051
LC	HAR	2013	ISBM-CA_S	7	ISBM	CA	0.042069
LC	HAR	2013	ISBM-CA_S	8	ISBM	CA	0.003428
LC	HAR	2013	ISBM-SUS	9	ISBM	US	0.083515
LC	HAR	2013	ISBM-CA_N	10	ISBM	CA	0
LC	HAR	2013	ISBM-CA_S	11	ISBM	CA	0.004674
LC	HAR	2013	Esc_Stray	12	Esc_Stray	Either	0.013711
LC	HAR	2013	Escapemen	13	Esc	CA	0.804924
LC	HAR	2014	SEAK_T-N-S	1	AABM	US	0.005114
LC	HAR	2014	NBC-WCVI	2	AABM	CA	0.039981
LC	HAR	2014	NBC-WCVI	3	AABM	CA	0.008368
LC	HAR	2014	ISBM-CA_T	4	ISBM	CA	0
LC	HAR	2014	ISBM-CA_S	5	ISBM	CA	0.003254
LC	HAR	2014	Fraser_N	6	ISBM	CA	0.011623
LC	HAR	2014	ISBM-CA_S	7	ISBM	CA	0.108322
LC	HAR	2014	ISBM-CA_S	8	ISBM	CA	0.006974
LC	HAR	2014	ISBM-SUS	9	ISBM	US	0.084147
LC	HAR	2014	ISBM-CA_N	10	ISBM	CA	0.034403
LC	HAR	2014	ISBM-CA_S	11	ISBM	CA	0
LC	HAR	2014	Esc_Stray	12	Esc_Stray	Either	0
LC	HAR	2014	Escapemen	13	Esc	CA	0.697815
LC	HAR	2015	SEAK_T-N-S	1	AABM	US	0.001701
LC	HAR	2015	NBC-WCVI	2	AABM	CA	0.013039
LC	HAR	2015	NBC-WCVI	3	AABM	CA	0.008503
LC	HAR	2015	ISBM-CA_T	4	ISBM	CA	0
LC	HAR	2015	ISBM-CA_S	5	ISBM	CA	0
LC	HAR	2015	Fraser_N	6	ISBM	CA	0.011905
LC	HAR	2015	ISBM-CA_S	7	ISBM	CA	0.066893
LC	HAR	2015	ISBM-CA_S	8	ISBM	CA	0.015873

MortType	Stock	Year	Fishery	FisheryNun	FisheryType	FisheryCou	Prop_Mort
LC	HAR	2015	ISBM-SUS	9	ISBM	US	0.056689
LC	HAR	2015	ISBM-CA_N	10	ISBM	CA	0.021542
LC	HAR	2015	ISBM-CA_S	11	ISBM	CA	0.003401
LC	HAR	2015	Esc_Stray	12	Esc_Stray	Either	0
LC	HAR	2015	Escapemen	13	Esc	CA	0.800454
LC	HAR	2016	SEAK_T-N-S	1	AABM	US	0.005978
LC	HAR	2016	NBC-WCVI	2	AABM	CA	0.009167
LC	HAR	2016	NBC-WCVI	3	AABM	CA	0.023515
LC	HAR	2016	ISBM-CA_T	4	ISBM	CA	0
LC	HAR	2016	ISBM-CA_S	5	ISBM	CA	0
LC	HAR	2016	Fraser_N	6	ISBM	CA	0.002391
LC	HAR	2016	ISBM-CA_S	7	ISBM	CA	0.055002
LC	HAR	2016	ISBM-CA_S	8	ISBM	CA	0.00837
LC	HAR	2016	ISBM-SUS	9	ISBM	US	0.019928
LC	HAR	2016	ISBM-CA_N	10	ISBM	CA	0.017537
LC	HAR	2016	ISBM-CA_S	11	ISBM	CA	0.003986
LC	HAR	2016	Esc_Stray	12	Esc_Stray	Either	0.009167
LC	HAR	2016	Escapemen	13	Esc	CA	0.844958
LC	HAR	2017	SEAK_T-N-S	1	AABM	US	0
LC	HAR	2017	NBC-WCVI	2	AABM	CA	0.02525
LC	HAR	2017	NBC-WCVI	3	AABM	CA	0.064592
LC	HAR	2017	ISBM-CA_T	4	ISBM	CA	0
LC	HAR	2017	ISBM-CA_S	5	ISBM	CA	0.001762
LC	HAR	2017	Fraser_N	6	ISBM	CA	0.006459
LC	HAR	2017	ISBM-CA_S	7	ISBM	CA	0.149736
LC	HAR	2017	ISBM-CA_S	8	ISBM	CA	0.017029
LC	HAR	2017	ISBM-SUS	9	ISBM	US	0.093952
LC	HAR	2017	ISBM-CA_N	10	ISBM	CA	0.008221
LC	HAR	2017	ISBM-CA_S	11	ISBM	CA	0
LC	HAR	2017	Esc_Stray	12	Esc_Stray	Either	0.000587
LC	HAR	2017	Escapemen	13	Esc	CA	0.632413
LC	HAR	2018	SEAK_T-N-S	1	AABM	US	0.001556
LC	HAR	2018	NBC-WCVI	2	AABM	CA	0.007523
LC	HAR	2018	NBC-WCVI	3	AABM	CA	0.026978
LC	HAR	2018	ISBM-CA_T	4	ISBM	CA	0
LC	HAR	2018	ISBM-CA_S	5	ISBM	CA	0.000259
LC	HAR	2018	Fraser_N	6	ISBM	CA	0.003372
LC	HAR	2018	ISBM-CA_S	7	ISBM	CA	0.089754
LC	HAR	2018	ISBM-CA_S	8	ISBM	CA	0.004669
LC	HAR	2018	ISBM-SUS	9	ISBM	US	0.076265
LC	HAR	2018	ISBM-CA_N	10	ISBM	CA	0.031907
LC	HAR	2018	ISBM-CA_S	11	ISBM	CA	0.000519
LC	HAR	2018	Esc_Stray	12	Esc_Stray	Either	0.018936
LC	HAR	2018	Escapemen	13	Esc	CA	0.738262
TM	HAR	1979	SEAK_T-N-S	1	AABM	US	NA
TM	HAR	1979	NBC-WCVI	2	AABM	CA	NA

MortType	Stock	Year	Fishery	FisheryNun	FisheryType	FisheryCou	Prop_Mort
TM	HAR	1979	NBC-WCVI	3	AABM	CA	NA
TM	HAR	1979	ISBM-CA_T	4	ISBM	CA	NA
TM	HAR	1979	ISBM-CA_S	5	ISBM	CA	NA
TM	HAR	1979	Fraser_N	6	ISBM	CA	NA
TM	HAR	1979	ISBM-CA_S	7	ISBM	CA	NA
TM	HAR	1979	ISBM-CA_S	8	ISBM	CA	NA
TM	HAR	1979	ISBM-SUS	9	ISBM	US	NA
TM	HAR	1979	ISBM-CA_N	10	ISBM	CA	NA
TM	HAR	1979	ISBM-CA_S	11	ISBM	CA	NA
TM	HAR	1979	Esc_Stray	12	Esc_Stray	Either	NA
TM	HAR	1979	Escapemer	13	Esc	CA	NA
TM	HAR	1980	SEAK_T-N-S	1	AABM	US	NA
TM	HAR	1980	NBC-WCVI	2	AABM	CA	NA
TM	HAR	1980	NBC-WCVI	3	AABM	CA	NA
TM	HAR	1980	ISBM-CA_T	4	ISBM	CA	NA
TM	HAR	1980	ISBM-CA_S	5	ISBM	CA	NA
TM	HAR	1980	Fraser_N	6	ISBM	CA	NA
TM	HAR	1980	ISBM-CA_S	7	ISBM	CA	NA
TM	HAR	1980	ISBM-CA_S	8	ISBM	CA	NA
TM	HAR	1980	ISBM-SUS	9	ISBM	US	NA
TM	HAR	1980	ISBM-CA_N	10	ISBM	CA	NA
TM	HAR	1980	ISBM-CA_S	11	ISBM	CA	NA
TM	HAR	1980	Esc_Stray	12	Esc_Stray	Either	NA
TM	HAR	1980	Escapemer	13	Esc	CA	NA
TM	HAR	1981	SEAK_T-N-S	1	AABM	US	NA
TM	HAR	1981	NBC-WCVI	2	AABM	CA	NA
TM	HAR	1981	NBC-WCVI	3	AABM	CA	NA
TM	HAR	1981	ISBM-CA_T	4	ISBM	CA	NA
TM	HAR	1981	ISBM-CA_S	5	ISBM	CA	NA
TM	HAR	1981	Fraser_N	6	ISBM	CA	NA
TM	HAR	1981	ISBM-CA_S	7	ISBM	CA	NA
TM	HAR	1981	ISBM-CA_S	8	ISBM	CA	NA
TM	HAR	1981	ISBM-SUS	9	ISBM	US	NA
TM	HAR	1981	ISBM-CA_N	10	ISBM	CA	NA
TM	HAR	1981	ISBM-CA_S	11	ISBM	CA	NA
TM	HAR	1981	Esc_Stray	12	Esc_Stray	Either	NA
TM	HAR	1981	Escapemer	13	Esc	CA	NA
TM	HAR	1982	SEAK_T-N-S	1	AABM	US	NA
TM	HAR	1982	NBC-WCVI	2	AABM	CA	NA
TM	HAR	1982	NBC-WCVI	3	AABM	CA	NA
TM	HAR	1982	ISBM-CA_T	4	ISBM	CA	NA
TM	HAR	1982	ISBM-CA_S	5	ISBM	CA	NA
TM	HAR	1982	Fraser_N	6	ISBM	CA	NA
TM	HAR	1982	ISBM-CA_S	7	ISBM	CA	NA
TM	HAR	1982	ISBM-CA_S	8	ISBM	CA	NA
TM	HAR	1982	ISBM-SUS	9	ISBM	US	NA

MortType	Stock	Year	Fishery	FisheryNun	FisheryType	FisheryCou	Prop_Mort
TM	HAR	1982	ISBM-CA_N	10	ISBM	CA	NA
TM	HAR	1982	ISBM-CA_S	11	ISBM	CA	NA
TM	HAR	1982	Esc_Stray	12	Esc_Stray	Either	NA
TM	HAR	1982	Escapemen	13	Esc	CA	NA
TM	HAR	1983	SEAK_T-N-S	1	AABM	US	NA
TM	HAR	1983	NBC-WCVI	2	AABM	CA	NA
TM	HAR	1983	NBC-WCVI	3	AABM	CA	NA
TM	HAR	1983	ISBM-CA_T	4	ISBM	CA	NA
TM	HAR	1983	ISBM-CA_S	5	ISBM	CA	NA
TM	HAR	1983	Fraser_N	6	ISBM	CA	NA
TM	HAR	1983	ISBM-CA_S	7	ISBM	CA	NA
TM	HAR	1983	ISBM-CA_S	8	ISBM	CA	NA
TM	HAR	1983	ISBM-SUS	9	ISBM	US	NA
TM	HAR	1983	ISBM-CA_N	10	ISBM	CA	NA
TM	HAR	1983	ISBM-CA_S	11	ISBM	CA	NA
TM	HAR	1983	Esc_Stray	12	Esc_Stray	Either	NA
TM	HAR	1983	Escapemen	13	Esc	CA	NA
TM	HAR	1984	SEAK_T-N-S	1	AABM	US	0.001218
TM	HAR	1984	NBC-WCVI	2	AABM	CA	0.298295
TM	HAR	1984	NBC-WCVI	3	AABM	CA	0
TM	HAR	1984	ISBM-CA_T	4	ISBM	CA	0.208198
TM	HAR	1984	ISBM-CA_S	5	ISBM	CA	0
TM	HAR	1984	Fraser_N	6	ISBM	CA	0.038961
TM	HAR	1984	ISBM-CA_S	7	ISBM	CA	0.260958
TM	HAR	1984	ISBM-CA_S	8	ISBM	CA	0.004464
TM	HAR	1984	ISBM-SUS	9	ISBM	US	0.085227
TM	HAR	1984	ISBM-CA_N	10	ISBM	CA	0
TM	HAR	1984	ISBM-CA_S	11	ISBM	CA	0.004058
TM	HAR	1984	Esc_Stray	12	Esc_Stray	Either	0
TM	HAR	1984	Escapemen	13	Esc	CA	0.09862
TM	HAR	1985	SEAK_T-N-S	1	AABM	US	0.001706
TM	HAR	1985	NBC-WCVI	2	AABM	CA	0.239341
TM	HAR	1985	NBC-WCVI	3	AABM	CA	0.00398
TM	HAR	1985	ISBM-CA_T	4	ISBM	CA	0.131325
TM	HAR	1985	ISBM-CA_S	5	ISBM	CA	0.002274
TM	HAR	1985	Fraser_N	6	ISBM	CA	0.007959
TM	HAR	1985	ISBM-CA_S	7	ISBM	CA	0.242183
TM	HAR	1985	ISBM-CA_S	8	ISBM	CA	0
TM	HAR	1985	ISBM-SUS	9	ISBM	US	0.078454
TM	HAR	1985	ISBM-CA_N	10	ISBM	CA	0
TM	HAR	1985	ISBM-CA_S	11	ISBM	CA	0.003411
TM	HAR	1985	Esc_Stray	12	Esc_Stray	Either	0
TM	HAR	1985	Escapemen	13	Esc	CA	0.289369
TM	HAR	1986	SEAK_T-N-S	1	AABM	US	0.015121
TM	HAR	1986	NBC-WCVI	2	AABM	CA	0.175403
TM	HAR	1986	NBC-WCVI	3	AABM	CA	0.004032

MortType	Stock	Year	Fishery	FisheryNun	FisheryTyp	FisheryCou	Prop_Mort
TM	HAR	1986	ISBM-CA_T	4	ISBM	CA	0.260081
TM	HAR	1986	ISBM-CA_S	5	ISBM	CA	0.003024
TM	HAR	1986	Fraser_N	6	ISBM	CA	0.053427
TM	HAR	1986	ISBM-CA_S	7	ISBM	CA	0.220766
TM	HAR	1986	ISBM-CA_S	8	ISBM	CA	0.006048
TM	HAR	1986	ISBM-SUS	9	ISBM	US	0.050403
TM	HAR	1986	ISBM-CA_N	10	ISBM	CA	0
TM	HAR	1986	ISBM-CA_S	11	ISBM	CA	0
TM	HAR	1986	Esc_Stray	12	Esc_Stray	Either	0
TM	HAR	1986	Escapemer	13	Esc	CA	0.211694
TM	HAR	1987	SEAK_T-N-S	1	AABM	US	0.008183
TM	HAR	1987	NBC-WCVI	2	AABM	CA	0.090016
TM	HAR	1987	NBC-WCVI	3	AABM	CA	0
TM	HAR	1987	ISBM-CA_T	4	ISBM	CA	0.11293
TM	HAR	1987	ISBM-CA_S	5	ISBM	CA	0
TM	HAR	1987	Fraser_N	6	ISBM	CA	0.036007
TM	HAR	1987	ISBM-CA_S	7	ISBM	CA	0.250409
TM	HAR	1987	ISBM-CA_S	8	ISBM	CA	0
TM	HAR	1987	ISBM-SUS	9	ISBM	US	0.12275
TM	HAR	1987	ISBM-CA_N	10	ISBM	CA	0
TM	HAR	1987	ISBM-CA_S	11	ISBM	CA	0.008183
TM	HAR	1987	Esc_Stray	12	Esc_Stray	Either	0
TM	HAR	1987	Escapemer	13	Esc	CA	0.371522
TM	HAR	1988	SEAK_T-N-S	1	AABM	US	0.010229
TM	HAR	1988	NBC-WCVI	2	AABM	CA	0.034898
TM	HAR	1988	NBC-WCVI	3	AABM	CA	0.020457
TM	HAR	1988	ISBM-CA_T	4	ISBM	CA	0.145608
TM	HAR	1988	ISBM-CA_S	5	ISBM	CA	0.01083
TM	HAR	1988	Fraser_N	6	ISBM	CA	0.035499
TM	HAR	1988	ISBM-CA_S	7	ISBM	CA	0.306859
TM	HAR	1988	ISBM-CA_S	8	ISBM	CA	0
TM	HAR	1988	ISBM-SUS	9	ISBM	US	0.162455
TM	HAR	1988	ISBM-CA_N	10	ISBM	CA	0
TM	HAR	1988	ISBM-CA_S	11	ISBM	CA	0.003008
TM	HAR	1988	Esc_Stray	12	Esc_Stray	Either	0
TM	HAR	1988	Escapemer	13	Esc	CA	0.270156
TM	HAR	1989	SEAK_T-N-S	1	AABM	US	0.002041
TM	HAR	1989	NBC-WCVI	2	AABM	CA	0.24449
TM	HAR	1989	NBC-WCVI	3	AABM	CA	0.009388
TM	HAR	1989	ISBM-CA_T	4	ISBM	CA	0.093469
TM	HAR	1989	ISBM-CA_S	5	ISBM	CA	0
TM	HAR	1989	Fraser_N	6	ISBM	CA	0.024898
TM	HAR	1989	ISBM-CA_S	7	ISBM	CA	0.226122
TM	HAR	1989	ISBM-CA_S	8	ISBM	CA	0.003673
TM	HAR	1989	ISBM-SUS	9	ISBM	US	0.154694
TM	HAR	1989	ISBM-CA_N	10	ISBM	CA	0

MortType	Stock	Year	Fishery	FisheryNum	FisheryType	FisheryCou	Prop_Mort
TM	HAR	1989	ISBM-CA_S	11	ISBM	CA	0
TM	HAR	1989	Esc_Stray	12	Esc_Stray	Either	0
TM	HAR	1989	Escapemen	13	Esc	CA	0.241224
TM	HAR	1990	SEAK_T-N-S	1	AABM	US	0.004674
TM	HAR	1990	NBC-WCVI	2	AABM	CA	0.202337
TM	HAR	1990	NBC-WCVI	3	AABM	CA	0.01202
TM	HAR	1990	ISBM-CA_T	4	ISBM	CA	0.064441
TM	HAR	1990	ISBM-CA_S	5	ISBM	CA	0
TM	HAR	1990	Fraser_N	6	ISBM	CA	0
TM	HAR	1990	ISBM-CA_S	7	ISBM	CA	0.112855
TM	HAR	1990	ISBM-CA_S	8	ISBM	CA	0.001336
TM	HAR	1990	ISBM-SUS	9	ISBM	US	0.145242
TM	HAR	1990	ISBM-CA_N	10	ISBM	CA	0.012688
TM	HAR	1990	ISBM-CA_S	11	ISBM	CA	0.003339
TM	HAR	1990	Esc_Stray	12	Esc_Stray	Either	0
TM	HAR	1990	Escapemen	13	Esc	CA	0.441068
TM	HAR	1991	SEAK_T-N-S	1	AABM	US	0.001174
TM	HAR	1991	NBC-WCVI	2	AABM	CA	0.276408
TM	HAR	1991	NBC-WCVI	3	AABM	CA	0
TM	HAR	1991	ISBM-CA_T	4	ISBM	CA	0.126174
TM	HAR	1991	ISBM-CA_S	5	ISBM	CA	0
TM	HAR	1991	Fraser_N	6	ISBM	CA	0
TM	HAR	1991	ISBM-CA_S	7	ISBM	CA	0.126174
TM	HAR	1991	ISBM-CA_S	8	ISBM	CA	0.001761
TM	HAR	1991	ISBM-SUS	9	ISBM	US	0.179577
TM	HAR	1991	ISBM-CA_N	10	ISBM	CA	0.012324
TM	HAR	1991	ISBM-CA_S	11	ISBM	CA	0.003521
TM	HAR	1991	Esc_Stray	12	Esc_Stray	Either	0
TM	HAR	1991	Escapemen	13	Esc	CA	0.272887
TM	HAR	1992	SEAK_T-N-S	1	AABM	US	0
TM	HAR	1992	NBC-WCVI	2	AABM	CA	0.185335
TM	HAR	1992	NBC-WCVI	3	AABM	CA	0
TM	HAR	1992	ISBM-CA_T	4	ISBM	CA	0.143187
TM	HAR	1992	ISBM-CA_S	5	ISBM	CA	0
TM	HAR	1992	Fraser_N	6	ISBM	CA	0
TM	HAR	1992	ISBM-CA_S	7	ISBM	CA	0.110855
TM	HAR	1992	ISBM-CA_S	8	ISBM	CA	0.008661
TM	HAR	1992	ISBM-SUS	9	ISBM	US	0.192263
TM	HAR	1992	ISBM-CA_N	10	ISBM	CA	0.006351
TM	HAR	1992	ISBM-CA_S	11	ISBM	CA	0.002309
TM	HAR	1992	Esc_Stray	12	Esc_Stray	Either	0
TM	HAR	1992	Escapemen	13	Esc	CA	0.351039
TM	HAR	1993	SEAK_T-N-S	1	AABM	US	0.009658
TM	HAR	1993	NBC-WCVI	2	AABM	CA	0.193152
TM	HAR	1993	NBC-WCVI	3	AABM	CA	0
TM	HAR	1993	ISBM-CA_T	4	ISBM	CA	0.079895

MortType	Stock	Year	Fishery	FisheryNun	FisheryType	FisheryCou	Prop_Mort
TM	HAR	1993	ISBM-CA_S	5	ISBM	CA	0
TM	HAR	1993	Fraser_N	6	ISBM	CA	0
TM	HAR	1993	ISBM-CA_S	7	ISBM	CA	0.071115
TM	HAR	1993	ISBM-CA_S	8	ISBM	CA	0.001756
TM	HAR	1993	ISBM-SUS	9	ISBM	US	0.127305
TM	HAR	1993	ISBM-CA_N	10	ISBM	CA	0.020193
TM	HAR	1993	ISBM-CA_S	11	ISBM	CA	0
TM	HAR	1993	Esc_Stray	12	Esc_Stray	Either	0
TM	HAR	1993	Escapemen	13	Esc	CA	0.496927
TM	HAR	1994	SEAK_T-N-S	1	AABM	US	0
TM	HAR	1994	NBC-WCVI	2	AABM	CA	0.206161
TM	HAR	1994	NBC-WCVI	3	AABM	CA	0.023697
TM	HAR	1994	ISBM-CA_T	4	ISBM	CA	0.13981
TM	HAR	1994	ISBM-CA_S	5	ISBM	CA	0
TM	HAR	1994	Fraser_N	6	ISBM	CA	0
TM	HAR	1994	ISBM-CA_S	7	ISBM	CA	0.066351
TM	HAR	1994	ISBM-CA_S	8	ISBM	CA	0.007109
TM	HAR	1994	ISBM-SUS	9	ISBM	US	0.085308
TM	HAR	1994	ISBM-CA_N	10	ISBM	CA	0.018957
TM	HAR	1994	ISBM-CA_S	11	ISBM	CA	0.009479
TM	HAR	1994	Esc_Stray	12	Esc_Stray	Either	0
TM	HAR	1994	Escapemen	13	Esc	CA	0.443128
TM	HAR	1995	SEAK_T-N-S	1	AABM	US	0
TM	HAR	1995	NBC-WCVI	2	AABM	CA	0.17931
TM	HAR	1995	NBC-WCVI	3	AABM	CA	0
TM	HAR	1995	ISBM-CA_T	4	ISBM	CA	0.025287
TM	HAR	1995	ISBM-CA_S	5	ISBM	CA	0.006897
TM	HAR	1995	Fraser_N	6	ISBM	CA	0
TM	HAR	1995	ISBM-CA_S	7	ISBM	CA	0.167816
TM	HAR	1995	ISBM-CA_S	8	ISBM	CA	0.004598
TM	HAR	1995	ISBM-SUS	9	ISBM	US	0.149425
TM	HAR	1995	ISBM-CA_N	10	ISBM	CA	0.02069
TM	HAR	1995	ISBM-CA_S	11	ISBM	CA	0.006897
TM	HAR	1995	Esc_Stray	12	Esc_Stray	Either	0.045977
TM	HAR	1995	Escapemen	13	Esc	CA	0.393103
TM	HAR	1996	SEAK_T-N-S	1	AABM	US	0.001654
TM	HAR	1996	NBC-WCVI	2	AABM	CA	0.015716
TM	HAR	1996	NBC-WCVI	3	AABM	CA	0.001654
TM	HAR	1996	ISBM-CA_T	4	ISBM	CA	0.004963
TM	HAR	1996	ISBM-CA_S	5	ISBM	CA	0
TM	HAR	1996	Fraser_N	6	ISBM	CA	0
TM	HAR	1996	ISBM-CA_S	7	ISBM	CA	0.229115
TM	HAR	1996	ISBM-CA_S	8	ISBM	CA	0.003309
TM	HAR	1996	ISBM-SUS	9	ISBM	US	0.119107
TM	HAR	1996	ISBM-CA_N	10	ISBM	CA	0.003309
TM	HAR	1996	ISBM-CA_S	11	ISBM	CA	0.003309

MortType	Stock	Year	Fishery	FisheryNun	FisheryTyp	FisheryCou	Prop_Mort
TM	HAR	1996	Esc_Stray	12	Esc_Stray	Either	0.000827
TM	HAR	1996	Escapemer	13	Esc	CA	0.617039
TM	HAR	1997	SEAK_T-N-S	1	AABM	US	0.015276
TM	HAR	1997	NBC-WCVI	2	AABM	CA	0.13161
TM	HAR	1997	NBC-WCVI	3	AABM	CA	0.034078
TM	HAR	1997	ISBM-CA_T	4	ISBM	CA	0.015276
TM	HAR	1997	ISBM-CA_S	5	ISBM	CA	0.001175
TM	HAR	1997	Fraser_N	6	ISBM	CA	0
TM	HAR	1997	ISBM-CA_S	7	ISBM	CA	0.180964
TM	HAR	1997	ISBM-CA_S	8	ISBM	CA	0.009401
TM	HAR	1997	ISBM-SUS	9	ISBM	US	0.19389
TM	HAR	1997	ISBM-CA_N	10	ISBM	CA	0.022327
TM	HAR	1997	ISBM-CA_S	11	ISBM	CA	0
TM	HAR	1997	Esc_Stray	12	Esc_Stray	Either	0
TM	HAR	1997	Escapemer	13	Esc	CA	0.396005
TM	HAR	1998	SEAK_T-N-S	1	AABM	US	0.008503
TM	HAR	1998	NBC-WCVI	2	AABM	CA	0.005952
TM	HAR	1998	NBC-WCVI	3	AABM	CA	0
TM	HAR	1998	ISBM-CA_T	4	ISBM	CA	0
TM	HAR	1998	ISBM-CA_S	5	ISBM	CA	0
TM	HAR	1998	Fraser_N	6	ISBM	CA	0
TM	HAR	1998	ISBM-CA_S	7	ISBM	CA	0.031463
TM	HAR	1998	ISBM-CA_S	8	ISBM	CA	0.002551
TM	HAR	1998	ISBM-SUS	9	ISBM	US	0.056122
TM	HAR	1998	ISBM-CA_N	10	ISBM	CA	0.002551
TM	HAR	1998	ISBM-CA_S	11	ISBM	CA	0
TM	HAR	1998	Esc_Stray	12	Esc_Stray	Either	0.008503
TM	HAR	1998	Escapemer	13	Esc	CA	0.884354
TM	HAR	1999	SEAK_T-N-S	1	AABM	US	0.006405
TM	HAR	1999	NBC-WCVI	2	AABM	CA	0.011209
TM	HAR	1999	NBC-WCVI	3	AABM	CA	0.01281
TM	HAR	1999	ISBM-CA_T	4	ISBM	CA	0.002402
TM	HAR	1999	ISBM-CA_S	5	ISBM	CA	0.006405
TM	HAR	1999	Fraser_N	6	ISBM	CA	0
TM	HAR	1999	ISBM-CA_S	7	ISBM	CA	0.093675
TM	HAR	1999	ISBM-CA_S	8	ISBM	CA	0.002402
TM	HAR	1999	ISBM-SUS	9	ISBM	US	0.161729
TM	HAR	1999	ISBM-CA_N	10	ISBM	CA	0.006405
TM	HAR	1999	ISBM-CA_S	11	ISBM	CA	0.002402
TM	HAR	1999	Esc_Stray	12	Esc_Stray	Either	0.008807
TM	HAR	1999	Escapemer	13	Esc	CA	0.685348
TM	HAR	2000	SEAK_T-N-S	1	AABM	US	0.017123
TM	HAR	2000	NBC-WCVI	2	AABM	CA	0.142123
TM	HAR	2000	NBC-WCVI	3	AABM	CA	0.042808
TM	HAR	2000	ISBM-CA_T	4	ISBM	CA	0
TM	HAR	2000	ISBM-CA_S	5	ISBM	CA	0

MortType	Stock	Year	Fishery	FisheryNun	FisheryTyp	FisheryCou	Prop_Mort
TM	HAR	2000	Fraser_N	6	ISBM	CA	0
TM	HAR	2000	ISBM-CA_S	7	ISBM	CA	0.116438
TM	HAR	2000	ISBM-CA_S	8	ISBM	CA	0
TM	HAR	2000	ISBM-SUS	9	ISBM	US	0.166096
TM	HAR	2000	ISBM-CA_N	10	ISBM	CA	0
TM	HAR	2000	ISBM-CA_S	11	ISBM	CA	0
TM	HAR	2000	Esc_Stray	12	Esc_Stray	Either	0
TM	HAR	2000	Escapemer	13	Esc	CA	0.515411
TM	HAR	2001	SEAK_T-N-S	1	AABM	US	0.003188
TM	HAR	2001	NBC-WCVI	2	AABM	CA	0.060574
TM	HAR	2001	NBC-WCVI	3	AABM	CA	0.021254
TM	HAR	2001	ISBM-CA_T	4	ISBM	CA	0
TM	HAR	2001	ISBM-CA_S	5	ISBM	CA	0
TM	HAR	2001	Fraser_N	6	ISBM	CA	0
TM	HAR	2001	ISBM-CA_S	7	ISBM	CA	0.064825
TM	HAR	2001	ISBM-CA_S	8	ISBM	CA	0
TM	HAR	2001	ISBM-SUS	9	ISBM	US	0.123273
TM	HAR	2001	ISBM-CA_N	10	ISBM	CA	0
TM	HAR	2001	ISBM-CA_S	11	ISBM	CA	0
TM	HAR	2001	Esc_Stray	12	Esc_Stray	Either	0.005314
TM	HAR	2001	Escapemer	13	Esc	CA	0.721573
TM	HAR	2002	SEAK_T-N-S	1	AABM	US	0.004008
TM	HAR	2002	NBC-WCVI	2	AABM	CA	0.086172
TM	HAR	2002	NBC-WCVI	3	AABM	CA	0.022044
TM	HAR	2002	ISBM-CA_T	4	ISBM	CA	0.054108
TM	HAR	2002	ISBM-CA_S	5	ISBM	CA	0
TM	HAR	2002	Fraser_N	6	ISBM	CA	0
TM	HAR	2002	ISBM-CA_S	7	ISBM	CA	0.064128
TM	HAR	2002	ISBM-CA_S	8	ISBM	CA	0.014028
TM	HAR	2002	ISBM-SUS	9	ISBM	US	0.166333
TM	HAR	2002	ISBM-CA_N	10	ISBM	CA	0.008016
TM	HAR	2002	ISBM-CA_S	11	ISBM	CA	0
TM	HAR	2002	Esc_Stray	12	Esc_Stray	Either	0.002004
TM	HAR	2002	Escapemer	13	Esc	CA	0.579158
TM	HAR	2003	SEAK_T-N-S	1	AABM	US	0.016827
TM	HAR	2003	NBC-WCVI	2	AABM	CA	0.108173
TM	HAR	2003	NBC-WCVI	3	AABM	CA	0.038462
TM	HAR	2003	ISBM-CA_T	4	ISBM	CA	0
TM	HAR	2003	ISBM-CA_S	5	ISBM	CA	0.012019
TM	HAR	2003	Fraser_N	6	ISBM	CA	0
TM	HAR	2003	ISBM-CA_S	7	ISBM	CA	0.03125
TM	HAR	2003	ISBM-CA_S	8	ISBM	CA	0.024039
TM	HAR	2003	ISBM-SUS	9	ISBM	US	0.127404
TM	HAR	2003	ISBM-CA_N	10	ISBM	CA	0.019231
TM	HAR	2003	ISBM-CA_S	11	ISBM	CA	0
TM	HAR	2003	Esc_Stray	12	Esc_Stray	Either	0.004808

MortType	Stock	Year	Fishery	FisheryNun	FisheryType	FisheryCou	Prop_Mort
TM	HAR	2003	Escapemen	13	Esc	CA	0.617788
TM	HAR	2004	SEAK_T-N-S	1	AABM	US	0.012259
TM	HAR	2004	NBC-WCVI	2	AABM	CA	0.185639
TM	HAR	2004	NBC-WCVI	3	AABM	CA	0.064799
TM	HAR	2004	ISBM-CA_T	4	ISBM	CA	0
TM	HAR	2004	ISBM-CA_S	5	ISBM	CA	0
TM	HAR	2004	Fraser_N	6	ISBM	CA	0
TM	HAR	2004	ISBM-CA_S	7	ISBM	CA	0
TM	HAR	2004	ISBM-CA_S	8	ISBM	CA	0.007005
TM	HAR	2004	ISBM-SUS	9	ISBM	US	0.19965
TM	HAR	2004	ISBM-CA_N	10	ISBM	CA	0.024518
TM	HAR	2004	ISBM-CA_S	11	ISBM	CA	0
TM	HAR	2004	Esc_Stray	12	Esc_Stray	Either	0
TM	HAR	2004	Escapemen	13	Esc	CA	0.50613
TM	HAR	2005	SEAK_T-N-S	1	AABM	US	0
TM	HAR	2005	NBC-WCVI	2	AABM	CA	0.146006
TM	HAR	2005	NBC-WCVI	3	AABM	CA	0.041322
TM	HAR	2005	ISBM-CA_T	4	ISBM	CA	0
TM	HAR	2005	ISBM-CA_S	5	ISBM	CA	0
TM	HAR	2005	Fraser_N	6	ISBM	CA	0
TM	HAR	2005	ISBM-CA_S	7	ISBM	CA	0.044077
TM	HAR	2005	ISBM-CA_S	8	ISBM	CA	0.024793
TM	HAR	2005	ISBM-SUS	9	ISBM	US	0.100551
TM	HAR	2005	ISBM-CA_N	10	ISBM	CA	0.050964
TM	HAR	2005	ISBM-CA_S	11	ISBM	CA	0
TM	HAR	2005	Esc_Stray	12	Esc_Stray	Either	0.012397
TM	HAR	2005	Escapemen	13	Esc	CA	0.57989
TM	HAR	2006	SEAK_T-N-S	1	AABM	US	0.009756
TM	HAR	2006	NBC-WCVI	2	AABM	CA	0.212195
TM	HAR	2006	NBC-WCVI	3	AABM	CA	0.058537
TM	HAR	2006	ISBM-CA_T	4	ISBM	CA	0
TM	HAR	2006	ISBM-CA_S	5	ISBM	CA	0
TM	HAR	2006	Fraser_N	6	ISBM	CA	0
TM	HAR	2006	ISBM-CA_S	7	ISBM	CA	0.002439
TM	HAR	2006	ISBM-CA_S	8	ISBM	CA	0.026829
TM	HAR	2006	ISBM-SUS	9	ISBM	US	0.163415
TM	HAR	2006	ISBM-CA_N	10	ISBM	CA	0
TM	HAR	2006	ISBM-CA_S	11	ISBM	CA	0
TM	HAR	2006	Esc_Stray	12	Esc_Stray	Either	0
TM	HAR	2006	Escapemen	13	Esc	CA	0.526829
TM	HAR	2007	SEAK_T-N-S	1	AABM	US	0
TM	HAR	2007	NBC-WCVI	2	AABM	CA	0.094359
TM	HAR	2007	NBC-WCVI	3	AABM	CA	0.010256
TM	HAR	2007	ISBM-CA_T	4	ISBM	CA	0
TM	HAR	2007	ISBM-CA_S	5	ISBM	CA	0.006154
TM	HAR	2007	Fraser_N	6	ISBM	CA	0

MortType	Stock	Year	Fishery	FisheryNun	FisheryTyp	FisheryCou	Prop_Mort
TM	HAR	2007	ISBM-CA_S	7	ISBM	CA	0.025641
TM	HAR	2007	ISBM-CA_S	8	ISBM	CA	0
TM	HAR	2007	ISBM-SUS	9	ISBM	US	0.02359
TM	HAR	2007	ISBM-CA_N	10	ISBM	CA	0
TM	HAR	2007	ISBM-CA_S	11	ISBM	CA	0
TM	HAR	2007	Esc_Stray	12	Esc_Stray	Either	0
TM	HAR	2007	Escapemer	13	Esc	CA	0.84
TM	HAR	2008	SEAK_T-N-S	1	AABM	US	0.005794
TM	HAR	2008	NBC-WCVI	2	AABM	CA	0.253766
TM	HAR	2008	NBC-WCVI	3	AABM	CA	0.097335
TM	HAR	2008	ISBM-CA_T	4	ISBM	CA	0.001159
TM	HAR	2008	ISBM-CA_S	5	ISBM	CA	0.015064
TM	HAR	2008	Fraser_N	6	ISBM	CA	0
TM	HAR	2008	ISBM-CA_S	7	ISBM	CA	0.047509
TM	HAR	2008	ISBM-CA_S	8	ISBM	CA	0.012746
TM	HAR	2008	ISBM-SUS	9	ISBM	US	0.0927
TM	HAR	2008	ISBM-CA_N	10	ISBM	CA	0.004635
TM	HAR	2008	ISBM-CA_S	11	ISBM	CA	0
TM	HAR	2008	Esc_Stray	12	Esc_Stray	Either	0
TM	HAR	2008	Escapemer	13	Esc	CA	0.469293
TM	HAR	2009	SEAK_T-N-S	1	AABM	US	0.000454
TM	HAR	2009	NBC-WCVI	2	AABM	CA	0.016341
TM	HAR	2009	NBC-WCVI	3	AABM	CA	0.036768
TM	HAR	2009	ISBM-CA_T	4	ISBM	CA	0
TM	HAR	2009	ISBM-CA_S	5	ISBM	CA	0.000908
TM	HAR	2009	Fraser_N	6	ISBM	CA	0
TM	HAR	2009	ISBM-CA_S	7	ISBM	CA	0.039492
TM	HAR	2009	ISBM-CA_S	8	ISBM	CA	0.003631
TM	HAR	2009	ISBM-SUS	9	ISBM	US	0.033137
TM	HAR	2009	ISBM-CA_N	10	ISBM	CA	0.01498
TM	HAR	2009	ISBM-CA_S	11	ISBM	CA	0.015887
TM	HAR	2009	Esc_Stray	12	Esc_Stray	Either	0.000454
TM	HAR	2009	Escapemer	13	Esc	CA	0.837948
TM	HAR	2010	SEAK_T-N-S	1	AABM	US	0.006487
TM	HAR	2010	NBC-WCVI	2	AABM	CA	0.041417
TM	HAR	2010	NBC-WCVI	3	AABM	CA	0.037425
TM	HAR	2010	ISBM-CA_T	4	ISBM	CA	0
TM	HAR	2010	ISBM-CA_S	5	ISBM	CA	0.006986
TM	HAR	2010	Fraser_N	6	ISBM	CA	0
TM	HAR	2010	ISBM-CA_S	7	ISBM	CA	0.036926
TM	HAR	2010	ISBM-CA_S	8	ISBM	CA	0.013972
TM	HAR	2010	ISBM-SUS	9	ISBM	US	0.077844
TM	HAR	2010	ISBM-CA_N	10	ISBM	CA	0.010479
TM	HAR	2010	ISBM-CA_S	11	ISBM	CA	0.002994
TM	HAR	2010	Esc_Stray	12	Esc_Stray	Either	0.000499
TM	HAR	2010	Escapemer	13	Esc	CA	0.76497

MortType	Stock	Year	Fishery	FisheryNun	FisheryTyp	FisheryCou	Prop_Mort
TM	HAR	2011	SEAK_T-N-S	1	AABM	US	0.002566
TM	HAR	2011	NBC-WCVI	2	AABM	CA	0.034458
TM	HAR	2011	NBC-WCVI	3	AABM	CA	0.056452
TM	HAR	2011	ISBM-CA_T	4	ISBM	CA	0
TM	HAR	2011	ISBM-CA_S	5	ISBM	CA	0.010997
TM	HAR	2011	Fraser_N	6	ISBM	CA	0.008065
TM	HAR	2011	ISBM-CA_S	7	ISBM	CA	0.039223
TM	HAR	2011	ISBM-CA_S	8	ISBM	CA	0.002199
TM	HAR	2011	ISBM-SUS	9	ISBM	US	0.063783
TM	HAR	2011	ISBM-CA_N	10	ISBM	CA	0.013563
TM	HAR	2011	ISBM-CA_S	11	ISBM	CA	0
TM	HAR	2011	Esc_Stray	12	Esc_Stray	Either	0
TM	HAR	2011	Escapemer	13	Esc	CA	0.768695
TM	HAR	2012	SEAK_T-N-S	1	AABM	US	0.002392
TM	HAR	2012	NBC-WCVI	2	AABM	CA	0.013397
TM	HAR	2012	NBC-WCVI	3	AABM	CA	0.006699
TM	HAR	2012	ISBM-CA_T	4	ISBM	CA	0
TM	HAR	2012	ISBM-CA_S	5	ISBM	CA	0.003349
TM	HAR	2012	Fraser_N	6	ISBM	CA	0.000957
TM	HAR	2012	ISBM-CA_S	7	ISBM	CA	0.08134
TM	HAR	2012	ISBM-CA_S	8	ISBM	CA	0.011483
TM	HAR	2012	ISBM-SUS	9	ISBM	US	0.093301
TM	HAR	2012	ISBM-CA_N	10	ISBM	CA	0.003349
TM	HAR	2012	ISBM-CA_S	11	ISBM	CA	0.009091
TM	HAR	2012	Esc_Stray	12	Esc_Stray	Either	0.000478
TM	HAR	2012	Escapemer	13	Esc	CA	0.774163
TM	HAR	2013	SEAK_T-N-S	1	AABM	US	0.002302
TM	HAR	2013	NBC-WCVI	2	AABM	CA	0.020144
TM	HAR	2013	NBC-WCVI	3	AABM	CA	0.023309
TM	HAR	2013	ISBM-CA_T	4	ISBM	CA	0
TM	HAR	2013	ISBM-CA_S	5	ISBM	CA	0.003165
TM	HAR	2013	Fraser_N	6	ISBM	CA	0.01036
TM	HAR	2013	ISBM-CA_S	7	ISBM	CA	0.068777
TM	HAR	2013	ISBM-CA_S	8	ISBM	CA	0.003741
TM	HAR	2013	ISBM-SUS	9	ISBM	US	0.107626
TM	HAR	2013	ISBM-CA_N	10	ISBM	CA	0
TM	HAR	2013	ISBM-CA_S	11	ISBM	CA	0.004604
TM	HAR	2013	Esc_Stray	12	Esc_Stray	Either	0.012662
TM	HAR	2013	Escapemer	13	Esc	CA	0.743309
TM	HAR	2014	SEAK_T-N-S	1	AABM	US	0.006599
TM	HAR	2014	NBC-WCVI	2	AABM	CA	0.039155
TM	HAR	2014	NBC-WCVI	3	AABM	CA	0.008799
TM	HAR	2014	ISBM-CA_T	4	ISBM	CA	0.00044
TM	HAR	2014	ISBM-CA_S	5	ISBM	CA	0.00352
TM	HAR	2014	Fraser_N	6	ISBM	CA	0.019358
TM	HAR	2014	ISBM-CA_S	7	ISBM	CA	0.127585

MortType	Stock	Year	Fishery	FisheryNun	FisheryType	FisheryCou	Prop_Mort
TM	HAR	2014	ISBM-CA_S	8	ISBM	CA	0.007039
TM	HAR	2014	ISBM-SUS_	9	ISBM	US	0.094589
TM	HAR	2014	ISBM-CA_N	10	ISBM	CA	0.032556
TM	HAR	2014	ISBM-CA_S	11	ISBM	CA	0
TM	HAR	2014	Esc_Stray	12	Esc_Stray	Either	0
TM	HAR	2014	Escapemer	13	Esc	CA	0.660361
TM	HAR	2015	SEAK_T-N-S	1	AABM	US	0.002179
TM	HAR	2015	NBC-WCVI	2	AABM	CA	0.013617
TM	HAR	2015	NBC-WCVI	3	AABM	CA	0.010349
TM	HAR	2015	ISBM-CA_T	4	ISBM	CA	0
TM	HAR	2015	ISBM-CA_S	5	ISBM	CA	0
TM	HAR	2015	Fraser_N	6	ISBM	CA	0.011983
TM	HAR	2015	ISBM-CA_S	7	ISBM	CA	0.086057
TM	HAR	2015	ISBM-CA_S	8	ISBM	CA	0.016885
TM	HAR	2015	ISBM-SUS_	9	ISBM	US	0.065904
TM	HAR	2015	ISBM-CA_N	10	ISBM	CA	0.020697
TM	HAR	2015	ISBM-CA_S	11	ISBM	CA	0.003268
TM	HAR	2015	Esc_Stray	12	Esc_Stray	Either	0
TM	HAR	2015	Escapemer	13	Esc	CA	0.769063
TM	HAR	2016	SEAK_T-N-S	1	AABM	US	0.007211
TM	HAR	2016	NBC-WCVI	2	AABM	CA	0.009867
TM	HAR	2016	NBC-WCVI	3	AABM	CA	0.026566
TM	HAR	2016	ISBM-CA_T	4	ISBM	CA	0
TM	HAR	2016	ISBM-CA_S	5	ISBM	CA	0
TM	HAR	2016	Fraser_N	6	ISBM	CA	0.002277
TM	HAR	2016	ISBM-CA_S	7	ISBM	CA	0.087666
TM	HAR	2016	ISBM-CA_S	8	ISBM	CA	0.009108
TM	HAR	2016	ISBM-SUS_	9	ISBM	US	0.02315
TM	HAR	2016	ISBM-CA_N	10	ISBM	CA	0.016698
TM	HAR	2016	ISBM-CA_S	11	ISBM	CA	0.004175
TM	HAR	2016	Esc_Stray	12	Esc_Stray	Either	0.008729
TM	HAR	2016	Escapemer	13	Esc	CA	0.804554
TM	HAR	2017	SEAK_T-N-S	1	AABM	US	0
TM	HAR	2017	NBC-WCVI	2	AABM	CA	0.023333
TM	HAR	2017	NBC-WCVI	3	AABM	CA	0.06381
TM	HAR	2017	ISBM-CA_T	4	ISBM	CA	0
TM	HAR	2017	ISBM-CA_S	5	ISBM	CA	0.001429
TM	HAR	2017	Fraser_N	6	ISBM	CA	0.005714
TM	HAR	2017	ISBM-CA_S	7	ISBM	CA	0.269048
TM	HAR	2017	ISBM-CA_S	8	ISBM	CA	0.016191
TM	HAR	2017	ISBM-SUS_	9	ISBM	US	0.100476
TM	HAR	2017	ISBM-CA_N	10	ISBM	CA	0.006667
TM	HAR	2017	ISBM-CA_S	11	ISBM	CA	0
TM	HAR	2017	Esc_Stray	12	Esc_Stray	Either	0.000476
TM	HAR	2017	Escapemer	13	Esc	CA	0.512857
TM	HAR	2018	SEAK_T-N-S	1	AABM	US	0.001676

MortType	Stock	Year	Fishery	FisheryNum	FisheryType	FisheryCou	Prop_Mort
TM	HAR	2018	NBC-WCVI	2	AABM	CA	0.008381
TM	HAR	2018	NBC-WCVI	3	AABM	CA	0.029215
TM	HAR	2018	ISBM-CA_T	4	ISBM	CA	0
TM	HAR	2018	ISBM-CA_S	5	ISBM	CA	0.000239
TM	HAR	2018	Fraser_N	6	ISBM	CA	0.008381
TM	HAR	2018	ISBM-CA_S	7	ISBM	CA	0.127395
TM	HAR	2018	ISBM-CA_S	8	ISBM	CA	0.004789
TM	HAR	2018	ISBM-SUS	9	ISBM	US	0.090996
TM	HAR	2018	ISBM-CA_N	10	ISBM	CA	0.029454
TM	HAR	2018	ISBM-CA_S	11	ISBM	CA	0.000479
TM	HAR	2018	Esc_Stray	12	Esc_Stray	Either	0.017481
TM	HAR	2018	Escapemer	13	Esc	CA	0.681513
LC	NIC	1979	SEAK_T-N-S	1	AABM	US	NA
LC	NIC	1979	NBC-WCVI	2	AABM	CA	NA
LC	NIC	1979	NBC-WCVI	3	AABM	CA	NA
LC	NIC	1979	ISBM-CA_T	4	ISBM	CA	NA
LC	NIC	1979	ISBM-CA_S	5	ISBM	CA	NA
LC	NIC	1979	Fraser_N	6	ISBM	CA	NA
LC	NIC	1979	ISBM-CA_S	7	ISBM	CA	NA
LC	NIC	1979	ISBM-CA_S	8	ISBM	CA	NA
LC	NIC	1979	ISBM-SUS	9	ISBM	US	NA
LC	NIC	1979	ISBM-CA_N	10	ISBM	CA	NA
LC	NIC	1979	ISBM-CA_S	11	ISBM	CA	NA
LC	NIC	1979	Esc_Stray	12	Esc_Stray	Either	NA
LC	NIC	1979	Escapemer	13	Esc	CA	NA
LC	NIC	1980	SEAK_T-N-S	1	AABM	US	NA
LC	NIC	1980	NBC-WCVI	2	AABM	CA	NA
LC	NIC	1980	NBC-WCVI	3	AABM	CA	NA
LC	NIC	1980	ISBM-CA_T	4	ISBM	CA	NA
LC	NIC	1980	ISBM-CA_S	5	ISBM	CA	NA
LC	NIC	1980	Fraser_N	6	ISBM	CA	NA
LC	NIC	1980	ISBM-CA_S	7	ISBM	CA	NA
LC	NIC	1980	ISBM-CA_S	8	ISBM	CA	NA
LC	NIC	1980	ISBM-SUS	9	ISBM	US	NA
LC	NIC	1980	ISBM-CA_N	10	ISBM	CA	NA
LC	NIC	1980	ISBM-CA_S	11	ISBM	CA	NA
LC	NIC	1980	Esc_Stray	12	Esc_Stray	Either	NA
LC	NIC	1980	Escapemer	13	Esc	CA	NA
LC	NIC	1981	SEAK_T-N-S	1	AABM	US	NA
LC	NIC	1981	NBC-WCVI	2	AABM	CA	NA
LC	NIC	1981	NBC-WCVI	3	AABM	CA	NA
LC	NIC	1981	ISBM-CA_T	4	ISBM	CA	NA
LC	NIC	1981	ISBM-CA_S	5	ISBM	CA	NA
LC	NIC	1981	Fraser_N	6	ISBM	CA	NA
LC	NIC	1981	ISBM-CA_S	7	ISBM	CA	NA
LC	NIC	1981	ISBM-CA_S	8	ISBM	CA	NA

MortType	Stock	Year	Fishery	FisheryNun	FisheryType	FisheryCou	Prop_Mort
LC	NIC	1981	ISBM-SUS_	9	ISBM	US	NA
LC	NIC	1981	ISBM-CA_N	10	ISBM	CA	NA
LC	NIC	1981	ISBM-CA_S	11	ISBM	CA	NA
LC	NIC	1981	Esc_Stray	12	Esc_Stray	Either	NA
LC	NIC	1981	Escapemen	13	Esc	CA	NA
LC	NIC	1982	SEAK_T-N-S	1	AABM	US	NA
LC	NIC	1982	NBC-WCVI	2	AABM	CA	NA
LC	NIC	1982	NBC-WCVI	3	AABM	CA	NA
LC	NIC	1982	ISBM-CA_T	4	ISBM	CA	NA
LC	NIC	1982	ISBM-CA_S	5	ISBM	CA	NA
LC	NIC	1982	Fraser_N	6	ISBM	CA	NA
LC	NIC	1982	ISBM-CA_S	7	ISBM	CA	NA
LC	NIC	1982	ISBM-CA_S	8	ISBM	CA	NA
LC	NIC	1982	ISBM-SUS_	9	ISBM	US	NA
LC	NIC	1982	ISBM-CA_N	10	ISBM	CA	NA
LC	NIC	1982	ISBM-CA_S	11	ISBM	CA	NA
LC	NIC	1982	Esc_Stray	12	Esc_Stray	Either	NA
LC	NIC	1982	Escapemen	13	Esc	CA	NA
LC	NIC	1983	SEAK_T-N-S	1	AABM	US	NA
LC	NIC	1983	NBC-WCVI	2	AABM	CA	NA
LC	NIC	1983	NBC-WCVI	3	AABM	CA	NA
LC	NIC	1983	ISBM-CA_T	4	ISBM	CA	NA
LC	NIC	1983	ISBM-CA_S	5	ISBM	CA	NA
LC	NIC	1983	Fraser_N	6	ISBM	CA	NA
LC	NIC	1983	ISBM-CA_S	7	ISBM	CA	NA
LC	NIC	1983	ISBM-CA_S	8	ISBM	CA	NA
LC	NIC	1983	ISBM-SUS_	9	ISBM	US	NA
LC	NIC	1983	ISBM-CA_N	10	ISBM	CA	NA
LC	NIC	1983	ISBM-CA_S	11	ISBM	CA	NA
LC	NIC	1983	Esc_Stray	12	Esc_Stray	Either	NA
LC	NIC	1983	Escapemen	13	Esc	CA	NA
LC	NIC	1984	SEAK_T-N-S	1	AABM	US	NA
LC	NIC	1984	NBC-WCVI	2	AABM	CA	NA
LC	NIC	1984	NBC-WCVI	3	AABM	CA	NA
LC	NIC	1984	ISBM-CA_T	4	ISBM	CA	NA
LC	NIC	1984	ISBM-CA_S	5	ISBM	CA	NA
LC	NIC	1984	Fraser_N	6	ISBM	CA	NA
LC	NIC	1984	ISBM-CA_S	7	ISBM	CA	NA
LC	NIC	1984	ISBM-CA_S	8	ISBM	CA	NA
LC	NIC	1984	ISBM-SUS_	9	ISBM	US	NA
LC	NIC	1984	ISBM-CA_N	10	ISBM	CA	NA
LC	NIC	1984	ISBM-CA_S	11	ISBM	CA	NA
LC	NIC	1984	Esc_Stray	12	Esc_Stray	Either	NA
LC	NIC	1984	Escapemen	13	Esc	CA	NA
LC	NIC	1985	SEAK_T-N-S	1	AABM	US	NA
LC	NIC	1985	NBC-WCVI	2	AABM	CA	NA

MortType	Stock	Year	Fishery	FisheryNun	FisheryType	FisheryCou	Prop_Mort
LC	NIC	1985	NBC-WCVI	3	AABM	CA	NA
LC	NIC	1985	ISBM-CA_T	4	ISBM	CA	NA
LC	NIC	1985	ISBM-CA_S	5	ISBM	CA	NA
LC	NIC	1985	Fraser_N	6	ISBM	CA	NA
LC	NIC	1985	ISBM-CA_S	7	ISBM	CA	NA
LC	NIC	1985	ISBM-CA_S	8	ISBM	CA	NA
LC	NIC	1985	ISBM-SUS	9	ISBM	US	NA
LC	NIC	1985	ISBM-CA_N	10	ISBM	CA	NA
LC	NIC	1985	ISBM-CA_S	11	ISBM	CA	NA
LC	NIC	1985	Esc_Stray	12	Esc_Stray	Either	NA
LC	NIC	1985	Escapemer	13	Esc	CA	NA
LC	NIC	1986	SEAK_T-N-S	1	AABM	US	NA
LC	NIC	1986	NBC-WCVI	2	AABM	CA	NA
LC	NIC	1986	NBC-WCVI	3	AABM	CA	NA
LC	NIC	1986	ISBM-CA_T	4	ISBM	CA	NA
LC	NIC	1986	ISBM-CA_S	5	ISBM	CA	NA
LC	NIC	1986	Fraser_N	6	ISBM	CA	NA
LC	NIC	1986	ISBM-CA_S	7	ISBM	CA	NA
LC	NIC	1986	ISBM-CA_S	8	ISBM	CA	NA
LC	NIC	1986	ISBM-SUS	9	ISBM	US	NA
LC	NIC	1986	ISBM-CA_N	10	ISBM	CA	NA
LC	NIC	1986	ISBM-CA_S	11	ISBM	CA	NA
LC	NIC	1986	Esc_Stray	12	Esc_Stray	Either	NA
LC	NIC	1986	Escapemer	13	Esc	CA	NA
LC	NIC	1987	SEAK_T-N-S	1	AABM	US	NA
LC	NIC	1987	NBC-WCVI	2	AABM	CA	NA
LC	NIC	1987	NBC-WCVI	3	AABM	CA	NA
LC	NIC	1987	ISBM-CA_T	4	ISBM	CA	NA
LC	NIC	1987	ISBM-CA_S	5	ISBM	CA	NA
LC	NIC	1987	Fraser_N	6	ISBM	CA	NA
LC	NIC	1987	ISBM-CA_S	7	ISBM	CA	NA
LC	NIC	1987	ISBM-CA_S	8	ISBM	CA	NA
LC	NIC	1987	ISBM-SUS	9	ISBM	US	NA
LC	NIC	1987	ISBM-CA_N	10	ISBM	CA	NA
LC	NIC	1987	ISBM-CA_S	11	ISBM	CA	NA
LC	NIC	1987	Esc_Stray	12	Esc_Stray	Either	NA
LC	NIC	1987	Escapemer	13	Esc	CA	NA
LC	NIC	1988	SEAK_T-N-S	1	AABM	US	NA
LC	NIC	1988	NBC-WCVI	2	AABM	CA	NA
LC	NIC	1988	NBC-WCVI	3	AABM	CA	NA
LC	NIC	1988	ISBM-CA_T	4	ISBM	CA	NA
LC	NIC	1988	ISBM-CA_S	5	ISBM	CA	NA
LC	NIC	1988	Fraser_N	6	ISBM	CA	NA
LC	NIC	1988	ISBM-CA_S	7	ISBM	CA	NA
LC	NIC	1988	ISBM-CA_S	8	ISBM	CA	NA
LC	NIC	1988	ISBM-SUS	9	ISBM	US	NA

MortType	Stock	Year	Fishery	FisheryNun	FisheryType	FisheryCou	Prop_Mort
LC	NIC	1988	ISBM-CA_N	10	ISBM	CA	NA
LC	NIC	1988	ISBM-CA_S	11	ISBM	CA	NA
LC	NIC	1988	Esc_Stray	12	Esc_Stray	Either	NA
LC	NIC	1988	Escapemer	13	Esc	CA	NA
LC	NIC	1989	SEAK_T-N-S	1	AABM	US	0
LC	NIC	1989	NBC-WCVI	2	AABM	CA	0.011746
LC	NIC	1989	NBC-WCVI	3	AABM	CA	0.010963
LC	NIC	1989	ISBM-CA_T	4	ISBM	CA	0.004699
LC	NIC	1989	ISBM-CA_S	5	ISBM	CA	0
LC	NIC	1989	Fraser_N	6	ISBM	CA	0.121378
LC	NIC	1989	ISBM-CA_S	7	ISBM	CA	0.038371
LC	NIC	1989	ISBM-CA_S	8	ISBM	CA	0.071261
LC	NIC	1989	ISBM-SUS	9	ISBM	US	0.036805
LC	NIC	1989	ISBM-CA_N	10	ISBM	CA	0
LC	NIC	1989	ISBM-CA_S	11	ISBM	CA	0.023493
LC	NIC	1989	Esc_Stray	12	Esc_Stray	Either	0.003132
LC	NIC	1989	Escapemer	13	Esc	CA	0.678152
LC	NIC	1990	SEAK_T-N-S	1	AABM	US	0
LC	NIC	1990	NBC-WCVI	2	AABM	CA	0.01845
LC	NIC	1990	NBC-WCVI	3	AABM	CA	0
LC	NIC	1990	ISBM-CA_T	4	ISBM	CA	0
LC	NIC	1990	ISBM-CA_S	5	ISBM	CA	0
LC	NIC	1990	Fraser_N	6	ISBM	CA	0
LC	NIC	1990	ISBM-CA_S	7	ISBM	CA	0
LC	NIC	1990	ISBM-CA_S	8	ISBM	CA	0.02214
LC	NIC	1990	ISBM-SUS	9	ISBM	US	0.0369
LC	NIC	1990	ISBM-CA_N	10	ISBM	CA	0.147601
LC	NIC	1990	ISBM-CA_S	11	ISBM	CA	0.132841
LC	NIC	1990	Esc_Stray	12	Esc_Stray	Either	0.01845
LC	NIC	1990	Escapemer	13	Esc	CA	0.623616
LC	NIC	1991	SEAK_T-N-S	1	AABM	US	0.003757
LC	NIC	1991	NBC-WCVI	2	AABM	CA	0.034561
LC	NIC	1991	NBC-WCVI	3	AABM	CA	0.002254
LC	NIC	1991	ISBM-CA_T	4	ISBM	CA	0.009767
LC	NIC	1991	ISBM-CA_S	5	ISBM	CA	0
LC	NIC	1991	Fraser_N	6	ISBM	CA	0
LC	NIC	1991	ISBM-CA_S	7	ISBM	CA	0.006011
LC	NIC	1991	ISBM-CA_S	8	ISBM	CA	0.043576
LC	NIC	1991	ISBM-SUS	9	ISBM	US	0.022539
LC	NIC	1991	ISBM-CA_N	10	ISBM	CA	0.133734
LC	NIC	1991	ISBM-CA_S	11	ISBM	CA	0.069121
LC	NIC	1991	Esc_Stray	12	Esc_Stray	Either	0.009016
LC	NIC	1991	Escapemer	13	Esc	CA	0.665665
LC	NIC	1992	SEAK_T-N-S	1	AABM	US	0
LC	NIC	1992	NBC-WCVI	2	AABM	CA	0.086785
LC	NIC	1992	NBC-WCVI	3	AABM	CA	0

MortType	Stock	Year	Fishery	FisheryNum	FisheryType	FisheryCou	Prop_Mort
LC	NIC	1992	ISBM-CA_T	4	ISBM	CA	0.029586
LC	NIC	1992	ISBM-CA_S	5	ISBM	CA	0
LC	NIC	1992	Fraser_N	6	ISBM	CA	0
LC	NIC	1992	ISBM-CA_S	7	ISBM	CA	0.031558
LC	NIC	1992	ISBM-CA_S	8	ISBM	CA	0.047337
LC	NIC	1992	ISBM-SUS	9	ISBM	US	0.094675
LC	NIC	1992	ISBM-CA_N	10	ISBM	CA	0.069034
LC	NIC	1992	ISBM-CA_S	11	ISBM	CA	0.076923
LC	NIC	1992	Esc_Stray	12	Esc_Stray	Either	0.003945
LC	NIC	1992	Escapemer	13	Esc	CA	0.560158
LC	NIC	1993	SEAK_T-N-S	1	AABM	US	0
LC	NIC	1993	NBC-WCVI	2	AABM	CA	0.072836
LC	NIC	1993	NBC-WCVI	3	AABM	CA	0.01114
LC	NIC	1993	ISBM-CA_T	4	ISBM	CA	0.01371
LC	NIC	1993	ISBM-CA_S	5	ISBM	CA	0
LC	NIC	1993	Fraser_N	6	ISBM	CA	0
LC	NIC	1993	ISBM-CA_S	7	ISBM	CA	0.036847
LC	NIC	1993	ISBM-CA_S	8	ISBM	CA	0.019709
LC	NIC	1993	ISBM-SUS	9	ISBM	US	0.03599
LC	NIC	1993	ISBM-CA_N	10	ISBM	CA	0.100257
LC	NIC	1993	ISBM-CA_S	11	ISBM	CA	0.052271
LC	NIC	1993	Esc_Stray	12	Esc_Stray	Either	0
LC	NIC	1993	Escapemer	13	Esc	CA	0.657241
LC	NIC	1994	SEAK_T-N-S	1	AABM	US	0
LC	NIC	1994	NBC-WCVI	2	AABM	CA	0.032036
LC	NIC	1994	NBC-WCVI	3	AABM	CA	0.003943
LC	NIC	1994	ISBM-CA_T	4	ISBM	CA	0.001971
LC	NIC	1994	ISBM-CA_S	5	ISBM	CA	0
LC	NIC	1994	Fraser_N	6	ISBM	CA	0
LC	NIC	1994	ISBM-CA_S	7	ISBM	CA	0.006407
LC	NIC	1994	ISBM-CA_S	8	ISBM	CA	0.025628
LC	NIC	1994	ISBM-SUS	9	ISBM	US	0.00345
LC	NIC	1994	ISBM-CA_N	10	ISBM	CA	0.013307
LC	NIC	1994	ISBM-CA_S	11	ISBM	CA	0.076392
LC	NIC	1994	Esc_Stray	12	Esc_Stray	Either	0.002464
LC	NIC	1994	Escapemer	13	Esc	CA	0.834401
LC	NIC	1995	SEAK_T-N-S	1	AABM	US	0
LC	NIC	1995	NBC-WCVI	2	AABM	CA	0.012081
LC	NIC	1995	NBC-WCVI	3	AABM	CA	0.010434
LC	NIC	1995	ISBM-CA_T	4	ISBM	CA	0
LC	NIC	1995	ISBM-CA_S	5	ISBM	CA	0
LC	NIC	1995	Fraser_N	6	ISBM	CA	0
LC	NIC	1995	ISBM-CA_S	7	ISBM	CA	0.01263
LC	NIC	1995	ISBM-CA_S	8	ISBM	CA	0.014827
LC	NIC	1995	ISBM-SUS	9	ISBM	US	0.003844
LC	NIC	1995	ISBM-CA_N	10	ISBM	CA	0.034596

MortType	Stock	Year	Fishery	FisheryNun	FisheryType	FisheryCou	Prop_Mort
LC	NIC	1995	ISBM-CA_S	11	ISBM	CA	0.035146
LC	NIC	1995	Esc_Stray	12	Esc_Stray	Either	0
LC	NIC	1995	Escapemer	13	Esc	CA	0.876442
LC	NIC	1996	SEAK_T-N-S	1	AABM	US	0
LC	NIC	1996	NBC-WCVI	2	AABM	CA	0
LC	NIC	1996	NBC-WCVI	3	AABM	CA	0
LC	NIC	1996	ISBM-CA_T	4	ISBM	CA	0
LC	NIC	1996	ISBM-CA_S	5	ISBM	CA	0
LC	NIC	1996	Fraser_N	6	ISBM	CA	0
LC	NIC	1996	ISBM-CA_S	7	ISBM	CA	0
LC	NIC	1996	ISBM-CA_S	8	ISBM	CA	0
LC	NIC	1996	ISBM-SUS	9	ISBM	US	0
LC	NIC	1996	ISBM-CA_N	10	ISBM	CA	0.188406
LC	NIC	1996	ISBM-CA_S	11	ISBM	CA	0
LC	NIC	1996	Esc_Stray	12	Esc_Stray	Either	0
LC	NIC	1996	Escapemer	13	Esc	CA	0.811594
LC	NIC	1997	SEAK_T-N-S	1	AABM	US	0
LC	NIC	1997	NBC-WCVI	2	AABM	CA	0
LC	NIC	1997	NBC-WCVI	3	AABM	CA	0
LC	NIC	1997	ISBM-CA_T	4	ISBM	CA	0.009901
LC	NIC	1997	ISBM-CA_S	5	ISBM	CA	0
LC	NIC	1997	Fraser_N	6	ISBM	CA	0
LC	NIC	1997	ISBM-CA_S	7	ISBM	CA	0
LC	NIC	1997	ISBM-CA_S	8	ISBM	CA	0.049505
LC	NIC	1997	ISBM-SUS	9	ISBM	US	0.059406
LC	NIC	1997	ISBM-CA_N	10	ISBM	CA	0.019802
LC	NIC	1997	ISBM-CA_S	11	ISBM	CA	0.064356
LC	NIC	1997	Esc_Stray	12	Esc_Stray	Either	0
LC	NIC	1997	Escapemer	13	Esc	CA	0.79703
LC	NIC	1998	SEAK_T-N-S	1	AABM	US	0
LC	NIC	1998	NBC-WCVI	2	AABM	CA	0
LC	NIC	1998	NBC-WCVI	3	AABM	CA	0.03
LC	NIC	1998	ISBM-CA_T	4	ISBM	CA	0
LC	NIC	1998	ISBM-CA_S	5	ISBM	CA	0
LC	NIC	1998	Fraser_N	6	ISBM	CA	0
LC	NIC	1998	ISBM-CA_S	7	ISBM	CA	0.0125
LC	NIC	1998	ISBM-CA_S	8	ISBM	CA	0.0125
LC	NIC	1998	ISBM-SUS	9	ISBM	US	0
LC	NIC	1998	ISBM-CA_N	10	ISBM	CA	0.105
LC	NIC	1998	ISBM-CA_S	11	ISBM	CA	0.1675
LC	NIC	1998	Esc_Stray	12	Esc_Stray	Either	0
LC	NIC	1998	Escapemer	13	Esc	CA	0.6725
LC	NIC	1999	SEAK_T-N-S	1	AABM	US	0
LC	NIC	1999	NBC-WCVI	2	AABM	CA	0
LC	NIC	1999	NBC-WCVI	3	AABM	CA	0
LC	NIC	1999	ISBM-CA_T	4	ISBM	CA	0

MortType	Stock	Year	Fishery	FisheryNum	FisheryType	FisheryCou	Prop_Mort
LC	NIC	1999	ISBM-CA_S	5	ISBM	CA	0
LC	NIC	1999	Fraser_N	6	ISBM	CA	0
LC	NIC	1999	ISBM-CA_S	7	ISBM	CA	0.001656
LC	NIC	1999	ISBM-CA_S	8	ISBM	CA	0.004969
LC	NIC	1999	ISBM-SUS	9	ISBM	US	0.006625
LC	NIC	1999	ISBM-CA_N	10	ISBM	CA	0.069151
LC	NIC	1999	ISBM-CA_S	11	ISBM	CA	0.020704
LC	NIC	1999	Esc_Stray	12	Esc_Stray	Either	0
LC	NIC	1999	Escapemer	13	Esc	CA	0.896894
LC	NIC	2000	SEAK_T-N-S	1	AABM	US	0
LC	NIC	2000	NBC-WCVI	2	AABM	CA	0
LC	NIC	2000	NBC-WCVI	3	AABM	CA	0.0149
LC	NIC	2000	ISBM-CA_T	4	ISBM	CA	0
LC	NIC	2000	ISBM-CA_S	5	ISBM	CA	0
LC	NIC	2000	Fraser_N	6	ISBM	CA	0
LC	NIC	2000	ISBM-CA_S	7	ISBM	CA	0.006304
LC	NIC	2000	ISBM-CA_S	8	ISBM	CA	0.033811
LC	NIC	2000	ISBM-SUS	9	ISBM	US	0
LC	NIC	2000	ISBM-CA_N	10	ISBM	CA	0.080802
LC	NIC	2000	ISBM-CA_S	11	ISBM	CA	0.05043
LC	NIC	2000	Esc_Stray	12	Esc_Stray	Either	0
LC	NIC	2000	Escapemer	13	Esc	CA	0.813754
LC	NIC	2001	SEAK_T-N-S	1	AABM	US	0
LC	NIC	2001	NBC-WCVI	2	AABM	CA	0.001336
LC	NIC	2001	NBC-WCVI	3	AABM	CA	0
LC	NIC	2001	ISBM-CA_T	4	ISBM	CA	0
LC	NIC	2001	ISBM-CA_S	5	ISBM	CA	0
LC	NIC	2001	Fraser_N	6	ISBM	CA	0
LC	NIC	2001	ISBM-CA_S	7	ISBM	CA	0.005788
LC	NIC	2001	ISBM-CA_S	8	ISBM	CA	0.032057
LC	NIC	2001	ISBM-SUS	9	ISBM	US	0.006679
LC	NIC	2001	ISBM-CA_N	10	ISBM	CA	0.067676
LC	NIC	2001	ISBM-CA_S	11	ISBM	CA	0.041407
LC	NIC	2001	Esc_Stray	12	Esc_Stray	Either	0
LC	NIC	2001	Escapemer	13	Esc	CA	0.845058
LC	NIC	2002	SEAK_T-N-S	1	AABM	US	0
LC	NIC	2002	NBC-WCVI	2	AABM	CA	0.016565
LC	NIC	2002	NBC-WCVI	3	AABM	CA	0.002616
LC	NIC	2002	ISBM-CA_T	4	ISBM	CA	0.000872
LC	NIC	2002	ISBM-CA_S	5	ISBM	CA	0
LC	NIC	2002	Fraser_N	6	ISBM	CA	0
LC	NIC	2002	ISBM-CA_S	7	ISBM	CA	0.00218
LC	NIC	2002	ISBM-CA_S	8	ISBM	CA	0.007847
LC	NIC	2002	ISBM-SUS	9	ISBM	US	0.008718
LC	NIC	2002	ISBM-CA_N	10	ISBM	CA	0.040105
LC	NIC	2002	ISBM-CA_S	11	ISBM	CA	0.02354

MortType	Stock	Year	Fishery	FisheryNun	FisheryTyp	FisheryCou	Prop_Mort
LC	NIC	2002	Esc_Stray	12	Esc_Stray	Either	0
LC	NIC	2002	Escapemen	13	Esc	CA	0.897559
LC	NIC	2003	SEAK_T-N-S	1	AABM	US	0.001125
LC	NIC	2003	NBC-WCVI	2	AABM	CA	0.030388
LC	NIC	2003	NBC-WCVI	3	AABM	CA	0.005065
LC	NIC	2003	ISBM-CA_T	4	ISBM	CA	0
LC	NIC	2003	ISBM-CA_S	5	ISBM	CA	0
LC	NIC	2003	Fraser_N	6	ISBM	CA	0
LC	NIC	2003	ISBM-CA_S	7	ISBM	CA	0.007316
LC	NIC	2003	ISBM-CA_S	8	ISBM	CA	0.01632
LC	NIC	2003	ISBM-SUS	9	ISBM	US	0.004502
LC	NIC	2003	ISBM-CA_N	10	ISBM	CA	0.005627
LC	NIC	2003	ISBM-CA_S	11	ISBM	CA	0.064153
LC	NIC	2003	Esc_Stray	12	Esc_Stray	Either	0
LC	NIC	2003	Escapemen	13	Esc	CA	0.865504
LC	NIC	2004	SEAK_T-N-S	1	AABM	US	0
LC	NIC	2004	NBC-WCVI	2	AABM	CA	0.036697
LC	NIC	2004	NBC-WCVI	3	AABM	CA	0
LC	NIC	2004	ISBM-CA_T	4	ISBM	CA	0
LC	NIC	2004	ISBM-CA_S	5	ISBM	CA	0
LC	NIC	2004	Fraser_N	6	ISBM	CA	0
LC	NIC	2004	ISBM-CA_S	7	ISBM	CA	0.020642
LC	NIC	2004	ISBM-CA_S	8	ISBM	CA	0.013762
LC	NIC	2004	ISBM-SUS	9	ISBM	US	0.009174
LC	NIC	2004	ISBM-CA_N	10	ISBM	CA	0.238532
LC	NIC	2004	ISBM-CA_S	11	ISBM	CA	0
LC	NIC	2004	Esc_Stray	12	Esc_Stray	Either	0
LC	NIC	2004	Escapemen	13	Esc	CA	0.681193
LC	NIC	2005	SEAK_T-N-S	1	AABM	US	0
LC	NIC	2005	NBC-WCVI	2	AABM	CA	0.047264
LC	NIC	2005	NBC-WCVI	3	AABM	CA	0
LC	NIC	2005	ISBM-CA_T	4	ISBM	CA	0
LC	NIC	2005	ISBM-CA_S	5	ISBM	CA	0
LC	NIC	2005	Fraser_N	6	ISBM	CA	0
LC	NIC	2005	ISBM-CA_S	7	ISBM	CA	0.024876
LC	NIC	2005	ISBM-CA_S	8	ISBM	CA	0.034826
LC	NIC	2005	ISBM-SUS	9	ISBM	US	0.004975
LC	NIC	2005	ISBM-CA_N	10	ISBM	CA	0.149254
LC	NIC	2005	ISBM-CA_S	11	ISBM	CA	0.141791
LC	NIC	2005	Esc_Stray	12	Esc_Stray	Either	0
LC	NIC	2005	Escapemen	13	Esc	CA	0.597015
LC	NIC	2006	SEAK_T-N-S	1	AABM	US	0
LC	NIC	2006	NBC-WCVI	2	AABM	CA	0.030374
LC	NIC	2006	NBC-WCVI	3	AABM	CA	0
LC	NIC	2006	ISBM-CA_T	4	ISBM	CA	0
LC	NIC	2006	ISBM-CA_S	5	ISBM	CA	0

MortType	Stock	Year	Fishery	FisheryNun	FisheryTyp	FisheryCou	Prop_Mort
LC	NIC	2006	Fraser_N	6	ISBM	CA	0
LC	NIC	2006	ISBM-CA_S	7	ISBM	CA	0
LC	NIC	2006	ISBM-CA_S	8	ISBM	CA	0.025701
LC	NIC	2006	ISBM-SUS	9	ISBM	US	0.011682
LC	NIC	2006	ISBM-CA_N	10	ISBM	CA	0.140187
LC	NIC	2006	ISBM-CA_S	11	ISBM	CA	0.091122
LC	NIC	2006	Esc_Stray	12	Esc_Stray	Either	0
LC	NIC	2006	Escapemer	13	Esc	CA	0.700935
LC	NIC	2007	SEAK_T-N-S	1	AABM	US	0
LC	NIC	2007	NBC-WCVI	2	AABM	CA	0.059211
LC	NIC	2007	NBC-WCVI	3	AABM	CA	0
LC	NIC	2007	ISBM-CA_T	4	ISBM	CA	0
LC	NIC	2007	ISBM-CA_S	5	ISBM	CA	0
LC	NIC	2007	Fraser_N	6	ISBM	CA	0
LC	NIC	2007	ISBM-CA_S	7	ISBM	CA	0
LC	NIC	2007	ISBM-CA_S	8	ISBM	CA	0
LC	NIC	2007	ISBM-SUS	9	ISBM	US	0.006579
LC	NIC	2007	ISBM-CA_N	10	ISBM	CA	0.322368
LC	NIC	2007	ISBM-CA_S	11	ISBM	CA	0.203947
LC	NIC	2007	Esc_Stray	12	Esc_Stray	Either	0
LC	NIC	2007	Escapemer	13	Esc	CA	0.407895
LC	NIC	2008	SEAK_T-N-S	1	AABM	US	0
LC	NIC	2008	NBC-WCVI	2	AABM	CA	0.009804
LC	NIC	2008	NBC-WCVI	3	AABM	CA	0.006536
LC	NIC	2008	ISBM-CA_T	4	ISBM	CA	0
LC	NIC	2008	ISBM-CA_S	5	ISBM	CA	0
LC	NIC	2008	Fraser_N	6	ISBM	CA	0
LC	NIC	2008	ISBM-CA_S	7	ISBM	CA	0.019608
LC	NIC	2008	ISBM-CA_S	8	ISBM	CA	0.013072
LC	NIC	2008	ISBM-SUS	9	ISBM	US	0.026144
LC	NIC	2008	ISBM-CA_N	10	ISBM	CA	0.116013
LC	NIC	2008	ISBM-CA_S	11	ISBM	CA	0.034314
LC	NIC	2008	Esc_Stray	12	Esc_Stray	Either	0
LC	NIC	2008	Escapemer	13	Esc	CA	0.77451
LC	NIC	2009	SEAK_T-N-S	1	AABM	US	0
LC	NIC	2009	NBC-WCVI	2	AABM	CA	0.003623
LC	NIC	2009	NBC-WCVI	3	AABM	CA	0
LC	NIC	2009	ISBM-CA_T	4	ISBM	CA	0
LC	NIC	2009	ISBM-CA_S	5	ISBM	CA	0
LC	NIC	2009	Fraser_N	6	ISBM	CA	0
LC	NIC	2009	ISBM-CA_S	7	ISBM	CA	0
LC	NIC	2009	ISBM-CA_S	8	ISBM	CA	0.07971
LC	NIC	2009	ISBM-SUS	9	ISBM	US	0.036232
LC	NIC	2009	ISBM-CA_N	10	ISBM	CA	0.199275
LC	NIC	2009	ISBM-CA_S	11	ISBM	CA	0.199275
LC	NIC	2009	Esc_Stray	12	Esc_Stray	Either	0

MortType	Stock	Year	Fishery	FisheryNun	FisheryType	FisheryCou	Prop_Mort
LC	NIC	2009	Escapemer	13	Esc	CA	0.481884
LC	NIC	2010	SEAK_T-N-S	1	AABM	US	0.003045
LC	NIC	2010	NBC-WCVI	2	AABM	CA	0.011309
LC	NIC	2010	NBC-WCVI	3	AABM	CA	0.002175
LC	NIC	2010	ISBM-CA_T	4	ISBM	CA	0
LC	NIC	2010	ISBM-CA_S	5	ISBM	CA	0
LC	NIC	2010	Fraser_N	6	ISBM	CA	0
LC	NIC	2010	ISBM-CA_S	7	ISBM	CA	0.009134
LC	NIC	2010	ISBM-CA_S	8	ISBM	CA	0.00522
LC	NIC	2010	ISBM-SUS	9	ISBM	US	0.009569
LC	NIC	2010	ISBM-CA_N	10	ISBM	CA	0.046542
LC	NIC	2010	ISBM-CA_S	11	ISBM	CA	0
LC	NIC	2010	Esc_Stray	12	Esc_Stray	Either	0
LC	NIC	2010	Escapemer	13	Esc	CA	0.913006
LC	NIC	2011	SEAK_T-N-S	1	AABM	US	0
LC	NIC	2011	NBC-WCVI	2	AABM	CA	0.005988
LC	NIC	2011	NBC-WCVI	3	AABM	CA	0.004491
LC	NIC	2011	ISBM-CA_T	4	ISBM	CA	0
LC	NIC	2011	ISBM-CA_S	5	ISBM	CA	0
LC	NIC	2011	Fraser_N	6	ISBM	CA	0.002994
LC	NIC	2011	ISBM-CA_S	7	ISBM	CA	0.01497
LC	NIC	2011	ISBM-CA_S	8	ISBM	CA	0.023952
LC	NIC	2011	ISBM-SUS	9	ISBM	US	0.028443
LC	NIC	2011	ISBM-CA_N	10	ISBM	CA	0.038922
LC	NIC	2011	ISBM-CA_S	11	ISBM	CA	0.023952
LC	NIC	2011	Esc_Stray	12	Esc_Stray	Either	0
LC	NIC	2011	Escapemer	13	Esc	CA	0.856287
LC	NIC	2012	SEAK_T-N-S	1	AABM	US	0
LC	NIC	2012	NBC-WCVI	2	AABM	CA	0.004292
LC	NIC	2012	NBC-WCVI	3	AABM	CA	0.005722
LC	NIC	2012	ISBM-CA_T	4	ISBM	CA	0
LC	NIC	2012	ISBM-CA_S	5	ISBM	CA	0
LC	NIC	2012	Fraser_N	6	ISBM	CA	0.005722
LC	NIC	2012	ISBM-CA_S	7	ISBM	CA	0.018598
LC	NIC	2012	ISBM-CA_S	8	ISBM	CA	0.017167
LC	NIC	2012	ISBM-SUS	9	ISBM	US	0.067239
LC	NIC	2012	ISBM-CA_N	10	ISBM	CA	0.177396
LC	NIC	2012	ISBM-CA_S	11	ISBM	CA	0.008584
LC	NIC	2012	Esc_Stray	12	Esc_Stray	Either	0
LC	NIC	2012	Escapemer	13	Esc	CA	0.695279
LC	NIC	2013	SEAK_T-N-S	1	AABM	US	0
LC	NIC	2013	NBC-WCVI	2	AABM	CA	0.01046
LC	NIC	2013	NBC-WCVI	3	AABM	CA	0
LC	NIC	2013	ISBM-CA_T	4	ISBM	CA	0
LC	NIC	2013	ISBM-CA_S	5	ISBM	CA	0.002092
LC	NIC	2013	Fraser_N	6	ISBM	CA	0.002092

MortType	Stock	Year	Fishery	FisheryNun	FisheryType	FisheryCou	Prop_Mort
LC	NIC	2013	ISBM-CA_S	7	ISBM	CA	0.009066
LC	NIC	2013	ISBM-CA_S	8	ISBM	CA	0.033473
LC	NIC	2013	ISBM-SUS	9	ISBM	US	0.03696
LC	NIC	2013	ISBM-CA_N	10	ISBM	CA	0.016039
LC	NIC	2013	ISBM-CA_S	11	ISBM	CA	0
LC	NIC	2013	Esc_Stray	12	Esc_Stray	Either	0
LC	NIC	2013	Escapemer	13	Esc	CA	0.889819
LC	NIC	2014	SEAK_T-N-S	1	AABM	US	0
LC	NIC	2014	NBC-WCVI	2	AABM	CA	0.018562
LC	NIC	2014	NBC-WCVI	3	AABM	CA	0
LC	NIC	2014	ISBM-CA_T	4	ISBM	CA	0
LC	NIC	2014	ISBM-CA_S	5	ISBM	CA	0
LC	NIC	2014	Fraser_N	6	ISBM	CA	0.009281
LC	NIC	2014	ISBM-CA_S	7	ISBM	CA	0
LC	NIC	2014	ISBM-CA_S	8	ISBM	CA	0.009281
LC	NIC	2014	ISBM-SUS	9	ISBM	US	0.013921
LC	NIC	2014	ISBM-CA_N	10	ISBM	CA	0.092807
LC	NIC	2014	ISBM-CA_S	11	ISBM	CA	0.009281
LC	NIC	2014	Esc_Stray	12	Esc_Stray	Either	0
LC	NIC	2014	Escapemer	13	Esc	CA	0.846868
LC	NIC	2015	SEAK_T-N-S	1	AABM	US	0
LC	NIC	2015	NBC-WCVI	2	AABM	CA	0.004563
LC	NIC	2015	NBC-WCVI	3	AABM	CA	0.001304
LC	NIC	2015	ISBM-CA_T	4	ISBM	CA	0
LC	NIC	2015	ISBM-CA_S	5	ISBM	CA	0
LC	NIC	2015	Fraser_N	6	ISBM	CA	0.008475
LC	NIC	2015	ISBM-CA_S	7	ISBM	CA	0.005867
LC	NIC	2015	ISBM-CA_S	8	ISBM	CA	0.024772
LC	NIC	2015	ISBM-SUS	9	ISBM	US	0.014994
LC	NIC	2015	ISBM-CA_N	10	ISBM	CA	0.101043
LC	NIC	2015	ISBM-CA_S	11	ISBM	CA	0
LC	NIC	2015	Esc_Stray	12	Esc_Stray	Either	0
LC	NIC	2015	Escapemer	13	Esc	CA	0.838983
LC	NIC	2016	SEAK_T-N-S	1	AABM	US	0.002096
LC	NIC	2016	NBC-WCVI	2	AABM	CA	0.023061
LC	NIC	2016	NBC-WCVI	3	AABM	CA	0
LC	NIC	2016	ISBM-CA_T	4	ISBM	CA	0
LC	NIC	2016	ISBM-CA_S	5	ISBM	CA	0
LC	NIC	2016	Fraser_N	6	ISBM	CA	0.007338
LC	NIC	2016	ISBM-CA_S	7	ISBM	CA	0.01782
LC	NIC	2016	ISBM-CA_S	8	ISBM	CA	0.072327
LC	NIC	2016	ISBM-SUS	9	ISBM	US	0.008386
LC	NIC	2016	ISBM-CA_N	10	ISBM	CA	0.102725
LC	NIC	2016	ISBM-CA_S	11	ISBM	CA	0
LC	NIC	2016	Esc_Stray	12	Esc_Stray	Either	0
LC	NIC	2016	Escapemer	13	Esc	CA	0.766247

MortType	Stock	Year	Fishery	FisheryNum	FisheryTyp	FisheryCou	Prop_Mort
LC	NIC	2017	SEAK_T-N-S	1	AABM	US	0
LC	NIC	2017	NBC-WCVI	2	AABM	CA	0.018639
LC	NIC	2017	NBC-WCVI	3	AABM	CA	0
LC	NIC	2017	ISBM-CA_T	4	ISBM	CA	0
LC	NIC	2017	ISBM-CA_S	5	ISBM	CA	0
LC	NIC	2017	Fraser_N	6	ISBM	CA	0.001864
LC	NIC	2017	ISBM-CA_S	7	ISBM	CA	0.012116
LC	NIC	2017	ISBM-CA_S	8	ISBM	CA	0.017707
LC	NIC	2017	ISBM-SUS	9	ISBM	US	0.014912
LC	NIC	2017	ISBM-CA_N	10	ISBM	CA	0.077353
LC	NIC	2017	ISBM-CA_S	11	ISBM	CA	0
LC	NIC	2017	Esc_Stray	12	Esc_Stray	Either	0
LC	NIC	2017	Escapemer	13	Esc	CA	0.857409
LC	NIC	2018	SEAK_T-N-S	1	AABM	US	0
LC	NIC	2018	NBC-WCVI	2	AABM	CA	0.009978
LC	NIC	2018	NBC-WCVI	3	AABM	CA	0.002217
LC	NIC	2018	ISBM-CA_T	4	ISBM	CA	0
LC	NIC	2018	ISBM-CA_S	5	ISBM	CA	0
LC	NIC	2018	Fraser_N	6	ISBM	CA	0.004435
LC	NIC	2018	ISBM-CA_S	7	ISBM	CA	0.013304
LC	NIC	2018	ISBM-CA_S	8	ISBM	CA	0.031042
LC	NIC	2018	ISBM-SUS	9	ISBM	US	0.013304
LC	NIC	2018	ISBM-CA_N	10	ISBM	CA	0.174058
LC	NIC	2018	ISBM-CA_S	11	ISBM	CA	0
LC	NIC	2018	Esc_Stray	12	Esc_Stray	Either	0
LC	NIC	2018	Escapemer	13	Esc	CA	0.751663
TM	NIC	1979	SEAK_T-N-S	1	AABM	US	NA
TM	NIC	1979	NBC-WCVI	2	AABM	CA	NA
TM	NIC	1979	NBC-WCVI	3	AABM	CA	NA
TM	NIC	1979	ISBM-CA_T	4	ISBM	CA	NA
TM	NIC	1979	ISBM-CA_S	5	ISBM	CA	NA
TM	NIC	1979	Fraser_N	6	ISBM	CA	NA
TM	NIC	1979	ISBM-CA_S	7	ISBM	CA	NA
TM	NIC	1979	ISBM-CA_S	8	ISBM	CA	NA
TM	NIC	1979	ISBM-SUS	9	ISBM	US	NA
TM	NIC	1979	ISBM-CA_N	10	ISBM	CA	NA
TM	NIC	1979	ISBM-CA_S	11	ISBM	CA	NA
TM	NIC	1979	Esc_Stray	12	Esc_Stray	Either	NA
TM	NIC	1979	Escapemer	13	Esc	CA	NA
TM	NIC	1980	SEAK_T-N-S	1	AABM	US	NA
TM	NIC	1980	NBC-WCVI	2	AABM	CA	NA
TM	NIC	1980	NBC-WCVI	3	AABM	CA	NA
TM	NIC	1980	ISBM-CA_T	4	ISBM	CA	NA
TM	NIC	1980	ISBM-CA_S	5	ISBM	CA	NA
TM	NIC	1980	Fraser_N	6	ISBM	CA	NA
TM	NIC	1980	ISBM-CA_S	7	ISBM	CA	NA

MortType	Stock	Year	Fishery	FisheryNun	FisheryType	FisheryCou	Prop_Mort
TM	NIC	1980	ISBM-CA_S	8	ISBM	CA	NA
TM	NIC	1980	ISBM-SUS	9	ISBM	US	NA
TM	NIC	1980	ISBM-CA_N	10	ISBM	CA	NA
TM	NIC	1980	ISBM-CA_S	11	ISBM	CA	NA
TM	NIC	1980	Esc_Stray	12	Esc_Stray	Either	NA
TM	NIC	1980	Escapemer	13	Esc	CA	NA
TM	NIC	1981	SEAK_T-N-S	1	AABM	US	NA
TM	NIC	1981	NBC-WCVI	2	AABM	CA	NA
TM	NIC	1981	NBC-WCVI	3	AABM	CA	NA
TM	NIC	1981	ISBM-CA_T	4	ISBM	CA	NA
TM	NIC	1981	ISBM-CA_S	5	ISBM	CA	NA
TM	NIC	1981	Fraser_N	6	ISBM	CA	NA
TM	NIC	1981	ISBM-CA_S	7	ISBM	CA	NA
TM	NIC	1981	ISBM-CA_S	8	ISBM	CA	NA
TM	NIC	1981	ISBM-SUS	9	ISBM	US	NA
TM	NIC	1981	ISBM-CA_N	10	ISBM	CA	NA
TM	NIC	1981	ISBM-CA_S	11	ISBM	CA	NA
TM	NIC	1981	Esc_Stray	12	Esc_Stray	Either	NA
TM	NIC	1981	Escapemer	13	Esc	CA	NA
TM	NIC	1982	SEAK_T-N-S	1	AABM	US	NA
TM	NIC	1982	NBC-WCVI	2	AABM	CA	NA
TM	NIC	1982	NBC-WCVI	3	AABM	CA	NA
TM	NIC	1982	ISBM-CA_T	4	ISBM	CA	NA
TM	NIC	1982	ISBM-CA_S	5	ISBM	CA	NA
TM	NIC	1982	Fraser_N	6	ISBM	CA	NA
TM	NIC	1982	ISBM-CA_S	7	ISBM	CA	NA
TM	NIC	1982	ISBM-CA_S	8	ISBM	CA	NA
TM	NIC	1982	ISBM-SUS	9	ISBM	US	NA
TM	NIC	1982	ISBM-CA_N	10	ISBM	CA	NA
TM	NIC	1982	ISBM-CA_S	11	ISBM	CA	NA
TM	NIC	1982	Esc_Stray	12	Esc_Stray	Either	NA
TM	NIC	1982	Escapemer	13	Esc	CA	NA
TM	NIC	1983	SEAK_T-N-S	1	AABM	US	NA
TM	NIC	1983	NBC-WCVI	2	AABM	CA	NA
TM	NIC	1983	NBC-WCVI	3	AABM	CA	NA
TM	NIC	1983	ISBM-CA_T	4	ISBM	CA	NA
TM	NIC	1983	ISBM-CA_S	5	ISBM	CA	NA
TM	NIC	1983	Fraser_N	6	ISBM	CA	NA
TM	NIC	1983	ISBM-CA_S	7	ISBM	CA	NA
TM	NIC	1983	ISBM-CA_S	8	ISBM	CA	NA
TM	NIC	1983	ISBM-SUS	9	ISBM	US	NA
TM	NIC	1983	ISBM-CA_N	10	ISBM	CA	NA
TM	NIC	1983	ISBM-CA_S	11	ISBM	CA	NA
TM	NIC	1983	Esc_Stray	12	Esc_Stray	Either	NA
TM	NIC	1983	Escapemer	13	Esc	CA	NA
TM	NIC	1984	SEAK_T-N-S	1	AABM	US	NA

MortType	Stock	Year	Fishery	FisheryNun	FisheryTyp	FisheryCou	Prop_Mort
TM	NIC	1984	NBC-WCVI	2	AABM	CA	NA
TM	NIC	1984	NBC-WCVI	3	AABM	CA	NA
TM	NIC	1984	ISBM-CA_T	4	ISBM	CA	NA
TM	NIC	1984	ISBM-CA_S	5	ISBM	CA	NA
TM	NIC	1984	Fraser_N	6	ISBM	CA	NA
TM	NIC	1984	ISBM-CA_S	7	ISBM	CA	NA
TM	NIC	1984	ISBM-CA_S	8	ISBM	CA	NA
TM	NIC	1984	ISBM-SUS	9	ISBM	US	NA
TM	NIC	1984	ISBM-CA_N	10	ISBM	CA	NA
TM	NIC	1984	ISBM-CA_S	11	ISBM	CA	NA
TM	NIC	1984	Esc_Stray	12	Esc_Stray	Either	NA
TM	NIC	1984	Escapemer	13	Esc	CA	NA
TM	NIC	1985	SEAK_T-N-S	1	AABM	US	NA
TM	NIC	1985	NBC-WCVI	2	AABM	CA	NA
TM	NIC	1985	NBC-WCVI	3	AABM	CA	NA
TM	NIC	1985	ISBM-CA_T	4	ISBM	CA	NA
TM	NIC	1985	ISBM-CA_S	5	ISBM	CA	NA
TM	NIC	1985	Fraser_N	6	ISBM	CA	NA
TM	NIC	1985	ISBM-CA_S	7	ISBM	CA	NA
TM	NIC	1985	ISBM-CA_S	8	ISBM	CA	NA
TM	NIC	1985	ISBM-SUS	9	ISBM	US	NA
TM	NIC	1985	ISBM-CA_N	10	ISBM	CA	NA
TM	NIC	1985	ISBM-CA_S	11	ISBM	CA	NA
TM	NIC	1985	Esc_Stray	12	Esc_Stray	Either	NA
TM	NIC	1985	Escapemer	13	Esc	CA	NA
TM	NIC	1986	SEAK_T-N-S	1	AABM	US	NA
TM	NIC	1986	NBC-WCVI	2	AABM	CA	NA
TM	NIC	1986	NBC-WCVI	3	AABM	CA	NA
TM	NIC	1986	ISBM-CA_T	4	ISBM	CA	NA
TM	NIC	1986	ISBM-CA_S	5	ISBM	CA	NA
TM	NIC	1986	Fraser_N	6	ISBM	CA	NA
TM	NIC	1986	ISBM-CA_S	7	ISBM	CA	NA
TM	NIC	1986	ISBM-CA_S	8	ISBM	CA	NA
TM	NIC	1986	ISBM-SUS	9	ISBM	US	NA
TM	NIC	1986	ISBM-CA_N	10	ISBM	CA	NA
TM	NIC	1986	ISBM-CA_S	11	ISBM	CA	NA
TM	NIC	1986	Esc_Stray	12	Esc_Stray	Either	NA
TM	NIC	1986	Escapemer	13	Esc	CA	NA
TM	NIC	1987	SEAK_T-N-S	1	AABM	US	NA
TM	NIC	1987	NBC-WCVI	2	AABM	CA	NA
TM	NIC	1987	NBC-WCVI	3	AABM	CA	NA
TM	NIC	1987	ISBM-CA_T	4	ISBM	CA	NA
TM	NIC	1987	ISBM-CA_S	5	ISBM	CA	NA
TM	NIC	1987	Fraser_N	6	ISBM	CA	NA
TM	NIC	1987	ISBM-CA_S	7	ISBM	CA	NA
TM	NIC	1987	ISBM-CA_S	8	ISBM	CA	NA

MortType	Stock	Year	Fishery	FisheryNun	FisheryTyp	FisheryCou	Prop_Mort
TM	NIC	1987	ISBM-SUS_	9	ISBM	US	NA
TM	NIC	1987	ISBM-CA_N	10	ISBM	CA	NA
TM	NIC	1987	ISBM-CA_S	11	ISBM	CA	NA
TM	NIC	1987	Esc_Stray	12	Esc_Stray	Either	NA
TM	NIC	1987	Escapemer	13	Esc	CA	NA
TM	NIC	1988	SEAK_T-N-S	1	AABM	US	NA
TM	NIC	1988	NBC-WCVI	2	AABM	CA	NA
TM	NIC	1988	NBC-WCVI	3	AABM	CA	NA
TM	NIC	1988	ISBM-CA_T	4	ISBM	CA	NA
TM	NIC	1988	ISBM-CA_S	5	ISBM	CA	NA
TM	NIC	1988	Fraser_N	6	ISBM	CA	NA
TM	NIC	1988	ISBM-CA_S	7	ISBM	CA	NA
TM	NIC	1988	ISBM-CA_S	8	ISBM	CA	NA
TM	NIC	1988	ISBM-SUS_	9	ISBM	US	NA
TM	NIC	1988	ISBM-CA_N	10	ISBM	CA	NA
TM	NIC	1988	ISBM-CA_S	11	ISBM	CA	NA
TM	NIC	1988	Esc_Stray	12	Esc_Stray	Either	NA
TM	NIC	1988	Escapemer	13	Esc	CA	NA
TM	NIC	1989	SEAK_T-N-S	1	AABM	US	0
TM	NIC	1989	NBC-WCVI	2	AABM	CA	0.014329
TM	NIC	1989	NBC-WCVI	3	AABM	CA	0.011312
TM	NIC	1989	ISBM-CA_T	4	ISBM	CA	0.004525
TM	NIC	1989	ISBM-CA_S	5	ISBM	CA	0
TM	NIC	1989	Fraser_N	6	ISBM	CA	0.122172
TM	NIC	1989	ISBM-CA_S	7	ISBM	CA	0.055807
TM	NIC	1989	ISBM-CA_S	8	ISBM	CA	0.073152
TM	NIC	1989	ISBM-SUS_	9	ISBM	US	0.038462
TM	NIC	1989	ISBM-CA_N	10	ISBM	CA	0
TM	NIC	1989	ISBM-CA_S	11	ISBM	CA	0.024133
TM	NIC	1989	Esc_Stray	12	Esc_Stray	Either	0.003017
TM	NIC	1989	Escapemer	13	Esc	CA	0.653092
TM	NIC	1990	SEAK_T-N-S	1	AABM	US	0
TM	NIC	1990	NBC-WCVI	2	AABM	CA	0.044521
TM	NIC	1990	NBC-WCVI	3	AABM	CA	0
TM	NIC	1990	ISBM-CA_T	4	ISBM	CA	0
TM	NIC	1990	ISBM-CA_S	5	ISBM	CA	0
TM	NIC	1990	Fraser_N	6	ISBM	CA	0
TM	NIC	1990	ISBM-CA_S	7	ISBM	CA	0
TM	NIC	1990	ISBM-CA_S	8	ISBM	CA	0.020548
TM	NIC	1990	ISBM-SUS_	9	ISBM	US	0.068493
TM	NIC	1990	ISBM-CA_N	10	ISBM	CA	0.136986
TM	NIC	1990	ISBM-CA_S	11	ISBM	CA	0.133562
TM	NIC	1990	Esc_Stray	12	Esc_Stray	Either	0.017123
TM	NIC	1990	Escapemer	13	Esc	CA	0.578767
TM	NIC	1991	SEAK_T-N-S	1	AABM	US	0.007273
TM	NIC	1991	NBC-WCVI	2	AABM	CA	0.045091

MortType	Stock	Year	Fishery	FisheryNun	FisheryTyp	FisheryCou	Prop_Mort
TM	NIC	1991	NBC-WCVI	3	AABM	CA	0.002182
TM	NIC	1991	ISBM-CA_T	4	ISBM	CA	0.010909
TM	NIC	1991	ISBM-CA_S	5	ISBM	CA	0
TM	NIC	1991	Fraser_N	6	ISBM	CA	0
TM	NIC	1991	ISBM-CA_S	7	ISBM	CA	0.007273
TM	NIC	1991	ISBM-CA_S	8	ISBM	CA	0.045091
TM	NIC	1991	ISBM-SUS	9	ISBM	US	0.027636
TM	NIC	1991	ISBM-CA_N	10	ISBM	CA	0.129455
TM	NIC	1991	ISBM-CA_S	11	ISBM	CA	0.072
TM	NIC	1991	Esc_Stray	12	Esc_Stray	Either	0.008727
TM	NIC	1991	Escapemer	13	Esc	CA	0.644364
TM	NIC	1992	SEAK_T-N-S	1	AABM	US	0
TM	NIC	1992	NBC-WCVI	2	AABM	CA	0.110517
TM	NIC	1992	NBC-WCVI	3	AABM	CA	0
TM	NIC	1992	ISBM-CA_T	4	ISBM	CA	0.035651
TM	NIC	1992	ISBM-CA_S	5	ISBM	CA	0
TM	NIC	1992	Fraser_N	6	ISBM	CA	0
TM	NIC	1992	ISBM-CA_S	7	ISBM	CA	0.035651
TM	NIC	1992	ISBM-CA_S	8	ISBM	CA	0.046346
TM	NIC	1992	ISBM-SUS	9	ISBM	US	0.12656
TM	NIC	1992	ISBM-CA_N	10	ISBM	CA	0.062389
TM	NIC	1992	ISBM-CA_S	11	ISBM	CA	0.073084
TM	NIC	1992	Esc_Stray	12	Esc_Stray	Either	0.003565
TM	NIC	1992	Escapemer	13	Esc	CA	0.506239
TM	NIC	1993	SEAK_T-N-S	1	AABM	US	0
TM	NIC	1993	NBC-WCVI	2	AABM	CA	0.088638
TM	NIC	1993	NBC-WCVI	3	AABM	CA	0.012087
TM	NIC	1993	ISBM-CA_T	4	ISBM	CA	0.013699
TM	NIC	1993	ISBM-CA_S	5	ISBM	CA	0
TM	NIC	1993	Fraser_N	6	ISBM	CA	0
TM	NIC	1993	ISBM-CA_S	7	ISBM	CA	0.04996
TM	NIC	1993	ISBM-CA_S	8	ISBM	CA	0.019339
TM	NIC	1993	ISBM-SUS	9	ISBM	US	0.051571
TM	NIC	1993	ISBM-CA_N	10	ISBM	CA	0.094279
TM	NIC	1993	ISBM-CA_S	11	ISBM	CA	0.052377
TM	NIC	1993	Esc_Stray	12	Esc_Stray	Either	0
TM	NIC	1993	Escapemer	13	Esc	CA	0.61805
TM	NIC	1994	SEAK_T-N-S	1	AABM	US	0
TM	NIC	1994	NBC-WCVI	2	AABM	CA	0.042974
TM	NIC	1994	NBC-WCVI	3	AABM	CA	0.003863
TM	NIC	1994	ISBM-CA_T	4	ISBM	CA	0.001931
TM	NIC	1994	ISBM-CA_S	5	ISBM	CA	0
TM	NIC	1994	Fraser_N	6	ISBM	CA	0
TM	NIC	1994	ISBM-CA_S	7	ISBM	CA	0.008209
TM	NIC	1994	ISBM-CA_S	8	ISBM	CA	0.02704
TM	NIC	1994	ISBM-SUS	9	ISBM	US	0.00338

MortType	Stock	Year	Fishery	FisheryNun	FisheryTyp	FisheryCou	Prop_Mort
TM	NIC	1994	ISBM-CA_N	10	ISBM	CA	0.013037
TM	NIC	1994	ISBM-CA_S	11	ISBM	CA	0.079672
TM	NIC	1994	Esc_Stray	12	Esc_Stray	Either	0.002414
TM	NIC	1994	Escapemer	13	Esc	CA	0.817479
TM	NIC	1995	SEAK_T-N-S	1	AABM	US	0
TM	NIC	1995	NBC-WCVI	2	AABM	CA	0.019712
TM	NIC	1995	NBC-WCVI	3	AABM	CA	0.011721
TM	NIC	1995	ISBM-CA_T	4	ISBM	CA	0.012786
TM	NIC	1995	ISBM-CA_S	5	ISBM	CA	0
TM	NIC	1995	Fraser_N	6	ISBM	CA	0
TM	NIC	1995	ISBM-CA_S	7	ISBM	CA	0.01545
TM	NIC	1995	ISBM-CA_S	8	ISBM	CA	0.01545
TM	NIC	1995	ISBM-SUS	9	ISBM	US	0.004795
TM	NIC	1995	ISBM-CA_N	10	ISBM	CA	0.033564
TM	NIC	1995	ISBM-CA_S	11	ISBM	CA	0.036228
TM	NIC	1995	Esc_Stray	12	Esc_Stray	Either	0
TM	NIC	1995	Escapemer	13	Esc	CA	0.850293
TM	NIC	1996	SEAK_T-N-S	1	AABM	US	0
TM	NIC	1996	NBC-WCVI	2	AABM	CA	0
TM	NIC	1996	NBC-WCVI	3	AABM	CA	0
TM	NIC	1996	ISBM-CA_T	4	ISBM	CA	0
TM	NIC	1996	ISBM-CA_S	5	ISBM	CA	0
TM	NIC	1996	Fraser_N	6	ISBM	CA	0
TM	NIC	1996	ISBM-CA_S	7	ISBM	CA	0
TM	NIC	1996	ISBM-CA_S	8	ISBM	CA	0
TM	NIC	1996	ISBM-SUS	9	ISBM	US	0
TM	NIC	1996	ISBM-CA_N	10	ISBM	CA	0.188406
TM	NIC	1996	ISBM-CA_S	11	ISBM	CA	0
TM	NIC	1996	Esc_Stray	12	Esc_Stray	Either	0
TM	NIC	1996	Escapemer	13	Esc	CA	0.811594
TM	NIC	1997	SEAK_T-N-S	1	AABM	US	0
TM	NIC	1997	NBC-WCVI	2	AABM	CA	0
TM	NIC	1997	NBC-WCVI	3	AABM	CA	0
TM	NIC	1997	ISBM-CA_T	4	ISBM	CA	0.040179
TM	NIC	1997	ISBM-CA_S	5	ISBM	CA	0
TM	NIC	1997	Fraser_N	6	ISBM	CA	0
TM	NIC	1997	ISBM-CA_S	7	ISBM	CA	0
TM	NIC	1997	ISBM-CA_S	8	ISBM	CA	0.049107
TM	NIC	1997	ISBM-SUS	9	ISBM	US	0.111607
TM	NIC	1997	ISBM-CA_N	10	ISBM	CA	0.017857
TM	NIC	1997	ISBM-CA_S	11	ISBM	CA	0.0625
TM	NIC	1997	Esc_Stray	12	Esc_Stray	Either	0
TM	NIC	1997	Escapemer	13	Esc	CA	0.71875
TM	NIC	1998	SEAK_T-N-S	1	AABM	US	0
TM	NIC	1998	NBC-WCVI	2	AABM	CA	0
TM	NIC	1998	NBC-WCVI	3	AABM	CA	0.047847

MortType	Stock	Year	Fishery	FisheryNun	FisheryTyp	FisheryCou	Prop_Mort
TM	NIC	1998	ISBM-CA_T	4	ISBM	CA	0.009569
TM	NIC	1998	ISBM-CA_S	5	ISBM	CA	0
TM	NIC	1998	Fraser_N	6	ISBM	CA	0
TM	NIC	1998	ISBM-CA_S	7	ISBM	CA	0.016746
TM	NIC	1998	ISBM-CA_S	8	ISBM	CA	0.011962
TM	NIC	1998	ISBM-SUS	9	ISBM	US	0
TM	NIC	1998	ISBM-CA_N	10	ISBM	CA	0.100478
TM	NIC	1998	ISBM-CA_S	11	ISBM	CA	0.169856
TM	NIC	1998	Esc_Stray	12	Esc_Stray	Either	0
TM	NIC	1998	Escapemer	13	Esc	CA	0.643541
TM	NIC	1999	SEAK_T-N-S	1	AABM	US	0
TM	NIC	1999	NBC-WCVI	2	AABM	CA	0
TM	NIC	1999	NBC-WCVI	3	AABM	CA	0
TM	NIC	1999	ISBM-CA_T	4	ISBM	CA	0
TM	NIC	1999	ISBM-CA_S	5	ISBM	CA	0
TM	NIC	1999	Fraser_N	6	ISBM	CA	0
TM	NIC	1999	ISBM-CA_S	7	ISBM	CA	0.002063
TM	NIC	1999	ISBM-CA_S	8	ISBM	CA	0.005363
TM	NIC	1999	ISBM-SUS	9	ISBM	US	0.008251
TM	NIC	1999	ISBM-CA_N	10	ISBM	CA	0.068894
TM	NIC	1999	ISBM-CA_S	11	ISBM	CA	0.021865
TM	NIC	1999	Esc_Stray	12	Esc_Stray	Either	0
TM	NIC	1999	Escapemer	13	Esc	CA	0.893564
TM	NIC	2000	SEAK_T-N-S	1	AABM	US	0
TM	NIC	2000	NBC-WCVI	2	AABM	CA	0
TM	NIC	2000	NBC-WCVI	3	AABM	CA	0.021457
TM	NIC	2000	ISBM-CA_T	4	ISBM	CA	0
TM	NIC	2000	ISBM-CA_S	5	ISBM	CA	0
TM	NIC	2000	Fraser_N	6	ISBM	CA	0
TM	NIC	2000	ISBM-CA_S	7	ISBM	CA	0.00847
TM	NIC	2000	ISBM-CA_S	8	ISBM	CA	0.035573
TM	NIC	2000	ISBM-SUS	9	ISBM	US	0
TM	NIC	2000	ISBM-CA_N	10	ISBM	CA	0.079616
TM	NIC	2000	ISBM-CA_S	11	ISBM	CA	0.053077
TM	NIC	2000	Esc_Stray	12	Esc_Stray	Either	0
TM	NIC	2000	Escapemer	13	Esc	CA	0.801807
TM	NIC	2001	SEAK_T-N-S	1	AABM	US	0
TM	NIC	2001	NBC-WCVI	2	AABM	CA	0.001326
TM	NIC	2001	NBC-WCVI	3	AABM	CA	0
TM	NIC	2001	ISBM-CA_T	4	ISBM	CA	0
TM	NIC	2001	ISBM-CA_S	5	ISBM	CA	0
TM	NIC	2001	Fraser_N	6	ISBM	CA	0
TM	NIC	2001	ISBM-CA_S	7	ISBM	CA	0.007512
TM	NIC	2001	ISBM-CA_S	8	ISBM	CA	0.034026
TM	NIC	2001	ISBM-SUS	9	ISBM	US	0.007512
TM	NIC	2001	ISBM-CA_N	10	ISBM	CA	0.067168

MortType	Stock	Year	Fishery	FisheryNun	FisheryTyp	FisheryCou	Prop_Mort
TM	NIC	2001	ISBM-CA_S	11	ISBM	CA	0.043747
TM	NIC	2001	Esc_Stray	12	Esc_Stray	Either	0
TM	NIC	2001	Escapemer	13	Esc	CA	0.83871
TM	NIC	2002	SEAK_T-N-S	1	AABM	US	0
TM	NIC	2002	NBC-WCVI	2	AABM	CA	0.020699
TM	NIC	2002	NBC-WCVI	3	AABM	CA	0.00345
TM	NIC	2002	ISBM-CA_T	4	ISBM	CA	0.002156
TM	NIC	2002	ISBM-CA_S	5	ISBM	CA	0
TM	NIC	2002	Fraser_N	6	ISBM	CA	0
TM	NIC	2002	ISBM-CA_S	7	ISBM	CA	0.003019
TM	NIC	2002	ISBM-CA_S	8	ISBM	CA	0.008193
TM	NIC	2002	ISBM-SUS	9	ISBM	US	0.010349
TM	NIC	2002	ISBM-CA_N	10	ISBM	CA	0.039672
TM	NIC	2002	ISBM-CA_S	11	ISBM	CA	0.02458
TM	NIC	2002	Esc_Stray	12	Esc_Stray	Either	0
TM	NIC	2002	Escapemer	13	Esc	CA	0.887883
TM	NIC	2003	SEAK_T-N-S	1	AABM	US	0.001657
TM	NIC	2003	NBC-WCVI	2	AABM	CA	0.037017
TM	NIC	2003	NBC-WCVI	3	AABM	CA	0.006077
TM	NIC	2003	ISBM-CA_T	4	ISBM	CA	0
TM	NIC	2003	ISBM-CA_S	5	ISBM	CA	0
TM	NIC	2003	Fraser_N	6	ISBM	CA	0
TM	NIC	2003	ISBM-CA_S	7	ISBM	CA	0.009392
TM	NIC	2003	ISBM-CA_S	8	ISBM	CA	0.01768
TM	NIC	2003	ISBM-SUS	9	ISBM	US	0.005525
TM	NIC	2003	ISBM-CA_N	10	ISBM	CA	0.005525
TM	NIC	2003	ISBM-CA_S	11	ISBM	CA	0.067403
TM	NIC	2003	Esc_Stray	12	Esc_Stray	Either	0
TM	NIC	2003	Escapemer	13	Esc	CA	0.849724
TM	NIC	2004	SEAK_T-N-S	1	AABM	US	0
TM	NIC	2004	NBC-WCVI	2	AABM	CA	0.043084
TM	NIC	2004	NBC-WCVI	3	AABM	CA	0
TM	NIC	2004	ISBM-CA_T	4	ISBM	CA	0
TM	NIC	2004	ISBM-CA_S	5	ISBM	CA	0
TM	NIC	2004	Fraser_N	6	ISBM	CA	0
TM	NIC	2004	ISBM-CA_S	7	ISBM	CA	0.024943
TM	NIC	2004	ISBM-CA_S	8	ISBM	CA	0.013605
TM	NIC	2004	ISBM-SUS	9	ISBM	US	0.00907
TM	NIC	2004	ISBM-CA_N	10	ISBM	CA	0.235828
TM	NIC	2004	ISBM-CA_S	11	ISBM	CA	0
TM	NIC	2004	Esc_Stray	12	Esc_Stray	Either	0
TM	NIC	2004	Escapemer	13	Esc	CA	0.673469
TM	NIC	2005	SEAK_T-N-S	1	AABM	US	0
TM	NIC	2005	NBC-WCVI	2	AABM	CA	0.053269
TM	NIC	2005	NBC-WCVI	3	AABM	CA	0
TM	NIC	2005	ISBM-CA_T	4	ISBM	CA	0

MortType	Stock	Year	Fishery	FisheryNun	FisheryType	FisheryCou	Prop_Mort
TM	NIC	2005	ISBM-CA_S	5	ISBM	CA	0
TM	NIC	2005	Fraser_N	6	ISBM	CA	0
TM	NIC	2005	ISBM-CA_S	7	ISBM	CA	0.031477
TM	NIC	2005	ISBM-CA_S	8	ISBM	CA	0.03632
TM	NIC	2005	ISBM-SUS	9	ISBM	US	0.004843
TM	NIC	2005	ISBM-CA_N	10	ISBM	CA	0.145278
TM	NIC	2005	ISBM-CA_S	11	ISBM	CA	0.1477
TM	NIC	2005	Esc_Stray	12	Esc_Stray	Either	0
TM	NIC	2005	Escapemer	13	Esc	CA	0.581114
TM	NIC	2006	SEAK_T-N-S	1	AABM	US	0
TM	NIC	2006	NBC-WCVI	2	AABM	CA	0.032407
TM	NIC	2006	NBC-WCVI	3	AABM	CA	0
TM	NIC	2006	ISBM-CA_T	4	ISBM	CA	0
TM	NIC	2006	ISBM-CA_S	5	ISBM	CA	0
TM	NIC	2006	Fraser_N	6	ISBM	CA	0
TM	NIC	2006	ISBM-CA_S	7	ISBM	CA	0
TM	NIC	2006	ISBM-CA_S	8	ISBM	CA	0.027778
TM	NIC	2006	ISBM-SUS	9	ISBM	US	0.011574
TM	NIC	2006	ISBM-CA_N	10	ISBM	CA	0.138889
TM	NIC	2006	ISBM-CA_S	11	ISBM	CA	0.094907
TM	NIC	2006	Esc_Stray	12	Esc_Stray	Either	0
TM	NIC	2006	Escapemer	13	Esc	CA	0.694444
TM	NIC	2007	SEAK_T-N-S	1	AABM	US	0
TM	NIC	2007	NBC-WCVI	2	AABM	CA	0.063694
TM	NIC	2007	NBC-WCVI	3	AABM	CA	0
TM	NIC	2007	ISBM-CA_T	4	ISBM	CA	0
TM	NIC	2007	ISBM-CA_S	5	ISBM	CA	0
TM	NIC	2007	Fraser_N	6	ISBM	CA	0
TM	NIC	2007	ISBM-CA_S	7	ISBM	CA	0
TM	NIC	2007	ISBM-CA_S	8	ISBM	CA	0
TM	NIC	2007	ISBM-SUS	9	ISBM	US	0.012739
TM	NIC	2007	ISBM-CA_N	10	ISBM	CA	0.312102
TM	NIC	2007	ISBM-CA_S	11	ISBM	CA	0.216561
TM	NIC	2007	Esc_Stray	12	Esc_Stray	Either	0
TM	NIC	2007	Escapemer	13	Esc	CA	0.394904
TM	NIC	2008	SEAK_T-N-S	1	AABM	US	0
TM	NIC	2008	NBC-WCVI	2	AABM	CA	0.014423
TM	NIC	2008	NBC-WCVI	3	AABM	CA	0.00641
TM	NIC	2008	ISBM-CA_T	4	ISBM	CA	0
TM	NIC	2008	ISBM-CA_S	5	ISBM	CA	0
TM	NIC	2008	Fraser_N	6	ISBM	CA	0
TM	NIC	2008	ISBM-CA_S	7	ISBM	CA	0.025641
TM	NIC	2008	ISBM-CA_S	8	ISBM	CA	0.014423
TM	NIC	2008	ISBM-SUS	9	ISBM	US	0.030449
TM	NIC	2008	ISBM-CA_N	10	ISBM	CA	0.113782
TM	NIC	2008	ISBM-CA_S	11	ISBM	CA	0.035256

MortType	Stock	Year	Fishery	FisheryNun	FisheryType	FisheryCou	Prop_Mort
TM	NIC	2008	Esc_Stray	12	Esc_Stray	Either	0
TM	NIC	2008	Escapemer	13	Esc	CA	0.759615
TM	NIC	2009	SEAK_T-N-S	1	AABM	US	0
TM	NIC	2009	NBC-WCVI	2	AABM	CA	0.003413
TM	NIC	2009	NBC-WCVI	3	AABM	CA	0
TM	NIC	2009	ISBM-CA_T	4	ISBM	CA	0
TM	NIC	2009	ISBM-CA_S	5	ISBM	CA	0
TM	NIC	2009	Fraser_N	6	ISBM	CA	0
TM	NIC	2009	ISBM-CA_S	7	ISBM	CA	0
TM	NIC	2009	ISBM-CA_S	8	ISBM	CA	0.081911
TM	NIC	2009	ISBM-SUS	9	ISBM	US	0.071672
TM	NIC	2009	ISBM-CA_N	10	ISBM	CA	0.187713
TM	NIC	2009	ISBM-CA_S	11	ISBM	CA	0.201365
TM	NIC	2009	Esc_Stray	12	Esc_Stray	Either	0
TM	NIC	2009	Escapemer	13	Esc	CA	0.453925
TM	NIC	2010	SEAK_T-N-S	1	AABM	US	0.004296
TM	NIC	2010	NBC-WCVI	2	AABM	CA	0.015464
TM	NIC	2010	NBC-WCVI	3	AABM	CA	0.002577
TM	NIC	2010	ISBM-CA_T	4	ISBM	CA	0
TM	NIC	2010	ISBM-CA_S	5	ISBM	CA	0
TM	NIC	2010	Fraser_N	6	ISBM	CA	0
TM	NIC	2010	ISBM-CA_S	7	ISBM	CA	0.012028
TM	NIC	2010	ISBM-CA_S	8	ISBM	CA	0.005584
TM	NIC	2010	ISBM-SUS	9	ISBM	US	0.012457
TM	NIC	2010	ISBM-CA_N	10	ISBM	CA	0.045962
TM	NIC	2010	ISBM-CA_S	11	ISBM	CA	0
TM	NIC	2010	Esc_Stray	12	Esc_Stray	Either	0
TM	NIC	2010	Escapemer	13	Esc	CA	0.901632
TM	NIC	2011	SEAK_T-N-S	1	AABM	US	0
TM	NIC	2011	NBC-WCVI	2	AABM	CA	0.008785
TM	NIC	2011	NBC-WCVI	3	AABM	CA	0.004392
TM	NIC	2011	ISBM-CA_T	4	ISBM	CA	0
TM	NIC	2011	ISBM-CA_S	5	ISBM	CA	0
TM	NIC	2011	Fraser_N	6	ISBM	CA	0.004392
TM	NIC	2011	ISBM-CA_S	7	ISBM	CA	0.019034
TM	NIC	2011	ISBM-CA_S	8	ISBM	CA	0.02489
TM	NIC	2011	ISBM-SUS	9	ISBM	US	0.038067
TM	NIC	2011	ISBM-CA_N	10	ISBM	CA	0.038067
TM	NIC	2011	ISBM-CA_S	11	ISBM	CA	0.02489
TM	NIC	2011	Esc_Stray	12	Esc_Stray	Either	0
TM	NIC	2011	Escapemer	13	Esc	CA	0.837482
TM	NIC	2012	SEAK_T-N-S	1	AABM	US	0
TM	NIC	2012	NBC-WCVI	2	AABM	CA	0.005533
TM	NIC	2012	NBC-WCVI	3	AABM	CA	0.008299
TM	NIC	2012	ISBM-CA_T	4	ISBM	CA	0
TM	NIC	2012	ISBM-CA_S	5	ISBM	CA	0

MortType	Stock	Year	Fishery	FisheryNun	FisheryType	FisheryCou	Prop_Mort
TM	NIC	2012	Fraser_N	6	ISBM	CA	0.005533
TM	NIC	2012	ISBM-CA_S	7	ISBM	CA	0.023513
TM	NIC	2012	ISBM-CA_S	8	ISBM	CA	0.017981
TM	NIC	2012	ISBM-SUS	9	ISBM	US	0.087137
TM	NIC	2012	ISBM-CA_N	10	ISBM	CA	0.171508
TM	NIC	2012	ISBM-CA_S	11	ISBM	CA	0.008299
TM	NIC	2012	Esc_Stray	12	Esc_Stray	Either	0
TM	NIC	2012	Escapemer	13	Esc	CA	0.672199
TM	NIC	2013	SEAK_T-N-S	1	AABM	US	0
TM	NIC	2013	NBC-WCVI	2	AABM	CA	0.014325
TM	NIC	2013	NBC-WCVI	3	AABM	CA	0
TM	NIC	2013	ISBM-CA_T	4	ISBM	CA	0
TM	NIC	2013	ISBM-CA_S	5	ISBM	CA	0.002046
TM	NIC	2013	Fraser_N	6	ISBM	CA	0.005457
TM	NIC	2013	ISBM-CA_S	7	ISBM	CA	0.011596
TM	NIC	2013	ISBM-CA_S	8	ISBM	CA	0.034789
TM	NIC	2013	ISBM-SUS	9	ISBM	US	0.045703
TM	NIC	2013	ISBM-CA_N	10	ISBM	CA	0.015689
TM	NIC	2013	ISBM-CA_S	11	ISBM	CA	0
TM	NIC	2013	Esc_Stray	12	Esc_Stray	Either	0
TM	NIC	2013	Escapemer	13	Esc	CA	0.870396
TM	NIC	2014	SEAK_T-N-S	1	AABM	US	0
TM	NIC	2014	NBC-WCVI	2	AABM	CA	0.020642
TM	NIC	2014	NBC-WCVI	3	AABM	CA	0
TM	NIC	2014	ISBM-CA_T	4	ISBM	CA	0
TM	NIC	2014	ISBM-CA_S	5	ISBM	CA	0
TM	NIC	2014	Fraser_N	6	ISBM	CA	0.016055
TM	NIC	2014	ISBM-CA_S	7	ISBM	CA	0
TM	NIC	2014	ISBM-CA_S	8	ISBM	CA	0.009174
TM	NIC	2014	ISBM-SUS	9	ISBM	US	0.016055
TM	NIC	2014	ISBM-CA_N	10	ISBM	CA	0.091743
TM	NIC	2014	ISBM-CA_S	11	ISBM	CA	0.009174
TM	NIC	2014	Esc_Stray	12	Esc_Stray	Either	0
TM	NIC	2014	Escapemer	13	Esc	CA	0.837156
TM	NIC	2015	SEAK_T-N-S	1	AABM	US	0
TM	NIC	2015	NBC-WCVI	2	AABM	CA	0.005165
TM	NIC	2015	NBC-WCVI	3	AABM	CA	0.001937
TM	NIC	2015	ISBM-CA_T	4	ISBM	CA	0
TM	NIC	2015	ISBM-CA_S	5	ISBM	CA	0
TM	NIC	2015	Fraser_N	6	ISBM	CA	0.009038
TM	NIC	2015	ISBM-CA_S	7	ISBM	CA	0.007747
TM	NIC	2015	ISBM-CA_S	8	ISBM	CA	0.026469
TM	NIC	2015	ISBM-SUS	9	ISBM	US	0.018722
TM	NIC	2015	ISBM-CA_N	10	ISBM	CA	0.100065
TM	NIC	2015	ISBM-CA_S	11	ISBM	CA	0
TM	NIC	2015	Esc_Stray	12	Esc_Stray	Either	0

MortType	Stock	Year	Fishery	FisheryNun	FisheryType	FisheryCou	Prop_Mort
TM	NIC	2015	Escapemer	13	Esc	CA	0.830859
TM	NIC	2016	SEAK_T-N-S	1	AABM	US	0.002056
TM	NIC	2016	NBC-WCVI	2	AABM	CA	0.026722
TM	NIC	2016	NBC-WCVI	3	AABM	CA	0
TM	NIC	2016	ISBM-CA_T	4	ISBM	CA	0
TM	NIC	2016	ISBM-CA_S	5	ISBM	CA	0
TM	NIC	2016	Fraser_N	6	ISBM	CA	0.007194
TM	NIC	2016	ISBM-CA_S	7	ISBM	CA	0.025694
TM	NIC	2016	ISBM-CA_S	8	ISBM	CA	0.076053
TM	NIC	2016	ISBM-SUS	9	ISBM	US	0.010278
TM	NIC	2016	ISBM-CA_N	10	ISBM	CA	0.100719
TM	NIC	2016	ISBM-CA_S	11	ISBM	CA	0
TM	NIC	2016	Esc_Stray	12	Esc_Stray	Either	0
TM	NIC	2016	Escapemer	13	Esc	CA	0.751285
TM	NIC	2017	SEAK_T-N-S	1	AABM	US	0
TM	NIC	2017	NBC-WCVI	2	AABM	CA	0.022099
TM	NIC	2017	NBC-WCVI	3	AABM	CA	0
TM	NIC	2017	ISBM-CA_T	4	ISBM	CA	0
TM	NIC	2017	ISBM-CA_S	5	ISBM	CA	0
TM	NIC	2017	Fraser_N	6	ISBM	CA	0.001842
TM	NIC	2017	ISBM-CA_S	7	ISBM	CA	0.015654
TM	NIC	2017	ISBM-CA_S	8	ISBM	CA	0.018416
TM	NIC	2017	ISBM-SUS	9	ISBM	US	0.018416
TM	NIC	2017	ISBM-CA_N	10	ISBM	CA	0.076427
TM	NIC	2017	ISBM-CA_S	11	ISBM	CA	0
TM	NIC	2017	Esc_Stray	12	Esc_Stray	Either	0
TM	NIC	2017	Escapemer	13	Esc	CA	0.847145
TM	NIC	2018	SEAK_T-N-S	1	AABM	US	0
TM	NIC	2018	NBC-WCVI	2	AABM	CA	0.009793
TM	NIC	2018	NBC-WCVI	3	AABM	CA	0.003264
TM	NIC	2018	ISBM-CA_T	4	ISBM	CA	0
TM	NIC	2018	ISBM-CA_S	5	ISBM	CA	0
TM	NIC	2018	Fraser_N	6	ISBM	CA	0.01197
TM	NIC	2018	ISBM-CA_S	7	ISBM	CA	0.01741
TM	NIC	2018	ISBM-CA_S	8	ISBM	CA	0.032644
TM	NIC	2018	ISBM-SUS	9	ISBM	US	0.016322
TM	NIC	2018	ISBM-CA_N	10	ISBM	CA	0.170838
TM	NIC	2018	ISBM-CA_S	11	ISBM	CA	0
TM	NIC	2018	Esc_Stray	12	Esc_Stray	Either	0
TM	NIC	2018	Escapemer	13	Esc	CA	0.737758
LC	SHU	1979	SEAK_T-N-S	1	AABM	US	NA
LC	SHU	1979	NBC-WCVI	2	AABM	CA	NA
LC	SHU	1979	NBC-WCVI	3	AABM	CA	NA
LC	SHU	1979	ISBM-CA_T	4	ISBM	CA	NA
LC	SHU	1979	ISBM-CA_S	5	ISBM	CA	NA
LC	SHU	1979	Fraser_N	6	ISBM	CA	NA

MortType	Stock	Year	Fishery	FisheryNun	FisheryType	FisheryCou	Prop_Mort
LC	SHU	1979	ISBM-CA_S	7	ISBM	CA	NA
LC	SHU	1979	ISBM-CA_S	8	ISBM	CA	NA
LC	SHU	1979	ISBM-SUS	9	ISBM	US	NA
LC	SHU	1979	ISBM-CA_N	10	ISBM	CA	NA
LC	SHU	1979	ISBM-CA_S	11	ISBM	CA	NA
LC	SHU	1979	Esc_Stray	12	Esc_Stray	Either	NA
LC	SHU	1979	Escapemer	13	Esc	CA	NA
LC	SHU	1980	SEAK_T-N-S	1	AABM	US	NA
LC	SHU	1980	NBC-WCVI	2	AABM	CA	NA
LC	SHU	1980	NBC-WCVI	3	AABM	CA	NA
LC	SHU	1980	ISBM-CA_T	4	ISBM	CA	NA
LC	SHU	1980	ISBM-CA_S	5	ISBM	CA	NA
LC	SHU	1980	Fraser_N	6	ISBM	CA	NA
LC	SHU	1980	ISBM-CA_S	7	ISBM	CA	NA
LC	SHU	1980	ISBM-CA_S	8	ISBM	CA	NA
LC	SHU	1980	ISBM-SUS	9	ISBM	US	NA
LC	SHU	1980	ISBM-CA_N	10	ISBM	CA	NA
LC	SHU	1980	ISBM-CA_S	11	ISBM	CA	NA
LC	SHU	1980	Esc_Stray	12	Esc_Stray	Either	NA
LC	SHU	1980	Escapemer	13	Esc	CA	NA
LC	SHU	1981	SEAK_T-N-S	1	AABM	US	NA
LC	SHU	1981	NBC-WCVI	2	AABM	CA	NA
LC	SHU	1981	NBC-WCVI	3	AABM	CA	NA
LC	SHU	1981	ISBM-CA_T	4	ISBM	CA	NA
LC	SHU	1981	ISBM-CA_S	5	ISBM	CA	NA
LC	SHU	1981	Fraser_N	6	ISBM	CA	NA
LC	SHU	1981	ISBM-CA_S	7	ISBM	CA	NA
LC	SHU	1981	ISBM-CA_S	8	ISBM	CA	NA
LC	SHU	1981	ISBM-SUS	9	ISBM	US	NA
LC	SHU	1981	ISBM-CA_N	10	ISBM	CA	NA
LC	SHU	1981	ISBM-CA_S	11	ISBM	CA	NA
LC	SHU	1981	Esc_Stray	12	Esc_Stray	Either	NA
LC	SHU	1981	Escapemer	13	Esc	CA	NA
LC	SHU	1982	SEAK_T-N-S	1	AABM	US	NA
LC	SHU	1982	NBC-WCVI	2	AABM	CA	NA
LC	SHU	1982	NBC-WCVI	3	AABM	CA	NA
LC	SHU	1982	ISBM-CA_T	4	ISBM	CA	NA
LC	SHU	1982	ISBM-CA_S	5	ISBM	CA	NA
LC	SHU	1982	Fraser_N	6	ISBM	CA	NA
LC	SHU	1982	ISBM-CA_S	7	ISBM	CA	NA
LC	SHU	1982	ISBM-CA_S	8	ISBM	CA	NA
LC	SHU	1982	ISBM-SUS	9	ISBM	US	NA
LC	SHU	1982	ISBM-CA_N	10	ISBM	CA	NA
LC	SHU	1982	ISBM-CA_S	11	ISBM	CA	NA
LC	SHU	1982	Esc_Stray	12	Esc_Stray	Either	NA
LC	SHU	1982	Escapemer	13	Esc	CA	NA

MortType	Stock	Year	Fishery	FisheryNun	FisheryTyp	FisheryCou	Prop_Mort
LC	SHU	1983	SEAK_T-N-S	1	AABM	US	NA
LC	SHU	1983	NBC-WCVI	2	AABM	CA	NA
LC	SHU	1983	NBC-WCVI	3	AABM	CA	NA
LC	SHU	1983	ISBM-CA_T	4	ISBM	CA	NA
LC	SHU	1983	ISBM-CA_S	5	ISBM	CA	NA
LC	SHU	1983	Fraser_N	6	ISBM	CA	NA
LC	SHU	1983	ISBM-CA_S	7	ISBM	CA	NA
LC	SHU	1983	ISBM-CA_S	8	ISBM	CA	NA
LC	SHU	1983	ISBM-SUS	9	ISBM	US	NA
LC	SHU	1983	ISBM-CA_N	10	ISBM	CA	NA
LC	SHU	1983	ISBM-CA_S	11	ISBM	CA	NA
LC	SHU	1983	Esc_Stray	12	Esc_Stray	Either	NA
LC	SHU	1983	Escapemer	13	Esc	CA	NA
LC	SHU	1984	SEAK_T-N-S	1	AABM	US	NA
LC	SHU	1984	NBC-WCVI	2	AABM	CA	NA
LC	SHU	1984	NBC-WCVI	3	AABM	CA	NA
LC	SHU	1984	ISBM-CA_T	4	ISBM	CA	NA
LC	SHU	1984	ISBM-CA_S	5	ISBM	CA	NA
LC	SHU	1984	Fraser_N	6	ISBM	CA	NA
LC	SHU	1984	ISBM-CA_S	7	ISBM	CA	NA
LC	SHU	1984	ISBM-CA_S	8	ISBM	CA	NA
LC	SHU	1984	ISBM-SUS	9	ISBM	US	NA
LC	SHU	1984	ISBM-CA_N	10	ISBM	CA	NA
LC	SHU	1984	ISBM-CA_S	11	ISBM	CA	NA
LC	SHU	1984	Esc_Stray	12	Esc_Stray	Either	NA
LC	SHU	1984	Escapemer	13	Esc	CA	NA
LC	SHU	1985	SEAK_T-N-S	1	AABM	US	NA
LC	SHU	1985	NBC-WCVI	2	AABM	CA	NA
LC	SHU	1985	NBC-WCVI	3	AABM	CA	NA
LC	SHU	1985	ISBM-CA_T	4	ISBM	CA	NA
LC	SHU	1985	ISBM-CA_S	5	ISBM	CA	NA
LC	SHU	1985	Fraser_N	6	ISBM	CA	NA
LC	SHU	1985	ISBM-CA_S	7	ISBM	CA	NA
LC	SHU	1985	ISBM-CA_S	8	ISBM	CA	NA
LC	SHU	1985	ISBM-SUS	9	ISBM	US	NA
LC	SHU	1985	ISBM-CA_N	10	ISBM	CA	NA
LC	SHU	1985	ISBM-CA_S	11	ISBM	CA	NA
LC	SHU	1985	Esc_Stray	12	Esc_Stray	Either	NA
LC	SHU	1985	Escapemer	13	Esc	CA	NA
LC	SHU	1986	SEAK_T-N-S	1	AABM	US	NA
LC	SHU	1986	NBC-WCVI	2	AABM	CA	NA
LC	SHU	1986	NBC-WCVI	3	AABM	CA	NA
LC	SHU	1986	ISBM-CA_T	4	ISBM	CA	NA
LC	SHU	1986	ISBM-CA_S	5	ISBM	CA	NA
LC	SHU	1986	Fraser_N	6	ISBM	CA	NA
LC	SHU	1986	ISBM-CA_S	7	ISBM	CA	NA

MortType	Stock	Year	Fishery	FisheryNun	FisheryType	FisheryCou	Prop_Mort
LC	SHU	1986	ISBM-CA_S	8	ISBM	CA	NA
LC	SHU	1986	ISBM-SUS	9	ISBM	US	NA
LC	SHU	1986	ISBM-CA_N	10	ISBM	CA	NA
LC	SHU	1986	ISBM-CA_S	11	ISBM	CA	NA
LC	SHU	1986	Esc_Stray	12	Esc_Stray	Either	NA
LC	SHU	1986	Escapemen	13	Esc	CA	NA
LC	SHU	1987	SEAK_T-N-S	1	AABM	US	0.054206
LC	SHU	1987	NBC-WCVI	2	AABM	CA	0.084112
LC	SHU	1987	NBC-WCVI	3	AABM	CA	0
LC	SHU	1987	ISBM-CA_T	4	ISBM	CA	0.100935
LC	SHU	1987	ISBM-CA_S	5	ISBM	CA	0.011215
LC	SHU	1987	Fraser_N	6	ISBM	CA	0.02243
LC	SHU	1987	ISBM-CA_S	7	ISBM	CA	0.041122
LC	SHU	1987	ISBM-CA_S	8	ISBM	CA	0.003738
LC	SHU	1987	ISBM-SUS	9	ISBM	US	0.033645
LC	SHU	1987	ISBM-CA_N	10	ISBM	CA	0.009346
LC	SHU	1987	ISBM-CA_S	11	ISBM	CA	0.080374
LC	SHU	1987	Esc_Stray	12	Esc_Stray	Either	0.003738
LC	SHU	1987	Escapemen	13	Esc	CA	0.55514
LC	SHU	1988	SEAK_T-N-S	1	AABM	US	0.056701
LC	SHU	1988	NBC-WCVI	2	AABM	CA	0.125258
LC	SHU	1988	NBC-WCVI	3	AABM	CA	0.002577
LC	SHU	1988	ISBM-CA_T	4	ISBM	CA	0.046392
LC	SHU	1988	ISBM-CA_S	5	ISBM	CA	0
LC	SHU	1988	Fraser_N	6	ISBM	CA	0.049485
LC	SHU	1988	ISBM-CA_S	7	ISBM	CA	0.013402
LC	SHU	1988	ISBM-CA_S	8	ISBM	CA	0.014433
LC	SHU	1988	ISBM-SUS	9	ISBM	US	0.019072
LC	SHU	1988	ISBM-CA_N	10	ISBM	CA	0.009278
LC	SHU	1988	ISBM-CA_S	11	ISBM	CA	0.014433
LC	SHU	1988	Esc_Stray	12	Esc_Stray	Either	0.002577
LC	SHU	1988	Escapemen	13	Esc	CA	0.646392
LC	SHU	1989	SEAK_T-N-S	1	AABM	US	0.051866
LC	SHU	1989	NBC-WCVI	2	AABM	CA	0.074004
LC	SHU	1989	NBC-WCVI	3	AABM	CA	0
LC	SHU	1989	ISBM-CA_T	4	ISBM	CA	0.086022
LC	SHU	1989	ISBM-CA_S	5	ISBM	CA	0
LC	SHU	1989	Fraser_N	6	ISBM	CA	0.049968
LC	SHU	1989	ISBM-CA_S	7	ISBM	CA	0.003795
LC	SHU	1989	ISBM-CA_S	8	ISBM	CA	0
LC	SHU	1989	ISBM-SUS	9	ISBM	US	0.015813
LC	SHU	1989	ISBM-CA_N	10	ISBM	CA	0.012018
LC	SHU	1989	ISBM-CA_S	11	ISBM	CA	0.004428
LC	SHU	1989	Esc_Stray	12	Esc_Stray	Either	0
LC	SHU	1989	Escapemen	13	Esc	CA	0.702087
LC	SHU	1990	SEAK_T-N-S	1	AABM	US	0.277067

MortType	Stock	Year	Fishery	FisheryNun	FisheryType	FisheryCou	Prop_Mort
LC	SHU	1990	NBC-WCVI	2	AABM	CA	0.214834
LC	SHU	1990	NBC-WCVI	3	AABM	CA	0.034101
LC	SHU	1990	ISBM-CA_T	4	ISBM	CA	0.050298
LC	SHU	1990	ISBM-CA_S	5	ISBM	CA	0.009378
LC	SHU	1990	Fraser_N	6	ISBM	CA	0
LC	SHU	1990	ISBM-CA_S	7	ISBM	CA	0.007673
LC	SHU	1990	ISBM-CA_S	8	ISBM	CA	0.009378
LC	SHU	1990	ISBM-SUS	9	ISBM	US	0.004263
LC	SHU	1990	ISBM-CA_N	10	ISBM	CA	0.080989
LC	SHU	1990	ISBM-CA_S	11	ISBM	CA	0.015345
LC	SHU	1990	Esc_Stray	12	Esc_Stray	Either	0.011935
LC	SHU	1990	Escapemer	13	Esc	CA	0.28474
LC	SHU	1991	SEAK_T-N-S	1	AABM	US	0.299645
LC	SHU	1991	NBC-WCVI	2	AABM	CA	0.251773
LC	SHU	1991	NBC-WCVI	3	AABM	CA	0.005319
LC	SHU	1991	ISBM-CA_T	4	ISBM	CA	0.088653
LC	SHU	1991	ISBM-CA_S	5	ISBM	CA	0
LC	SHU	1991	Fraser_N	6	ISBM	CA	0
LC	SHU	1991	ISBM-CA_S	7	ISBM	CA	0.008865
LC	SHU	1991	ISBM-CA_S	8	ISBM	CA	0.005319
LC	SHU	1991	ISBM-SUS	9	ISBM	US	0.035461
LC	SHU	1991	ISBM-CA_N	10	ISBM	CA	0.058511
LC	SHU	1991	ISBM-CA_S	11	ISBM	CA	0.007092
LC	SHU	1991	Esc_Stray	12	Esc_Stray	Either	0.001773
LC	SHU	1991	Escapemer	13	Esc	CA	0.237589
LC	SHU	1992	SEAK_T-N-S	1	AABM	US	0.114068
LC	SHU	1992	NBC-WCVI	2	AABM	CA	0.197719
LC	SHU	1992	NBC-WCVI	3	AABM	CA	0
LC	SHU	1992	ISBM-CA_T	4	ISBM	CA	0.121673
LC	SHU	1992	ISBM-CA_S	5	ISBM	CA	0
LC	SHU	1992	Fraser_N	6	ISBM	CA	0
LC	SHU	1992	ISBM-CA_S	7	ISBM	CA	0.030418
LC	SHU	1992	ISBM-CA_S	8	ISBM	CA	0.022814
LC	SHU	1992	ISBM-SUS	9	ISBM	US	0.015209
LC	SHU	1992	ISBM-CA_N	10	ISBM	CA	0.057034
LC	SHU	1992	ISBM-CA_S	11	ISBM	CA	0.045627
LC	SHU	1992	Esc_Stray	12	Esc_Stray	Either	0
LC	SHU	1992	Escapemer	13	Esc	CA	0.395437
LC	SHU	1993	SEAK_T-N-S	1	AABM	US	0.104762
LC	SHU	1993	NBC-WCVI	2	AABM	CA	0.180952
LC	SHU	1993	NBC-WCVI	3	AABM	CA	0
LC	SHU	1993	ISBM-CA_T	4	ISBM	CA	0.097619
LC	SHU	1993	ISBM-CA_S	5	ISBM	CA	0
LC	SHU	1993	Fraser_N	6	ISBM	CA	0
LC	SHU	1993	ISBM-CA_S	7	ISBM	CA	0.009524
LC	SHU	1993	ISBM-CA_S	8	ISBM	CA	0.004762

MortType	Stock	Year	Fishery	FisheryNun	FisheryTyp	FisheryCou	Prop_Mort
LC	SHU	1993	ISBM-SUS_	9	ISBM	US	0.004762
LC	SHU	1993	ISBM-CA_N	10	ISBM	CA	0.097619
LC	SHU	1993	ISBM-CA_S	11	ISBM	CA	0.038095
LC	SHU	1993	Esc_Stray	12	Esc_Stray	Either	0
LC	SHU	1993	Escapemer	13	Esc	CA	0.461905
LC	SHU	1994	SEAK_T-N-S	1	AABM	US	0.088204
LC	SHU	1994	NBC-WCVI	2	AABM	CA	0.234857
LC	SHU	1994	NBC-WCVI	3	AABM	CA	0.015941
LC	SHU	1994	ISBM-CA_T	4	ISBM	CA	0.148778
LC	SHU	1994	ISBM-CA_S	5	ISBM	CA	0
LC	SHU	1994	Fraser_N	6	ISBM	CA	0
LC	SHU	1994	ISBM-CA_S	7	ISBM	CA	0.014878
LC	SHU	1994	ISBM-CA_S	8	ISBM	CA	0.004251
LC	SHU	1994	ISBM-SUS_	9	ISBM	US	0.032944
LC	SHU	1994	ISBM-CA_N	10	ISBM	CA	0.108395
LC	SHU	1994	ISBM-CA_S	11	ISBM	CA	0
LC	SHU	1994	Esc_Stray	12	Esc_Stray	Either	0.005314
LC	SHU	1994	Escapemer	13	Esc	CA	0.34644
LC	SHU	1995	SEAK_T-N-S	1	AABM	US	0.155056
LC	SHU	1995	NBC-WCVI	2	AABM	CA	0.114607
LC	SHU	1995	NBC-WCVI	3	AABM	CA	0.038202
LC	SHU	1995	ISBM-CA_T	4	ISBM	CA	0.013483
LC	SHU	1995	ISBM-CA_S	5	ISBM	CA	0.017978
LC	SHU	1995	Fraser_N	6	ISBM	CA	0
LC	SHU	1995	ISBM-CA_S	7	ISBM	CA	0.013483
LC	SHU	1995	ISBM-CA_S	8	ISBM	CA	0.01573
LC	SHU	1995	ISBM-SUS_	9	ISBM	US	0.038202
LC	SHU	1995	ISBM-CA_N	10	ISBM	CA	0.094382
LC	SHU	1995	ISBM-CA_S	11	ISBM	CA	0.004494
LC	SHU	1995	Esc_Stray	12	Esc_Stray	Either	0.006742
LC	SHU	1995	Escapemer	13	Esc	CA	0.48764
LC	SHU	1996	SEAK_T-N-S	1	AABM	US	0.132857
LC	SHU	1996	NBC-WCVI	2	AABM	CA	0
LC	SHU	1996	NBC-WCVI	3	AABM	CA	0.015714
LC	SHU	1996	ISBM-CA_T	4	ISBM	CA	0.001429
LC	SHU	1996	ISBM-CA_S	5	ISBM	CA	0.014286
LC	SHU	1996	Fraser_N	6	ISBM	CA	0
LC	SHU	1996	ISBM-CA_S	7	ISBM	CA	0.021429
LC	SHU	1996	ISBM-CA_S	8	ISBM	CA	0.02
LC	SHU	1996	ISBM-SUS_	9	ISBM	US	0
LC	SHU	1996	ISBM-CA_N	10	ISBM	CA	0.087143
LC	SHU	1996	ISBM-CA_S	11	ISBM	CA	0.011429
LC	SHU	1996	Esc_Stray	12	Esc_Stray	Either	0
LC	SHU	1996	Escapemer	13	Esc	CA	0.695714
LC	SHU	1997	SEAK_T-N-S	1	AABM	US	0.117754
LC	SHU	1997	NBC-WCVI	2	AABM	CA	0.083333

MortType	Stock	Year	Fishery	FisheryNun	FisheryType	FisheryCou	Prop_Mort
LC	SHU	1997	NBC-WCVI	3	AABM	CA	0.018116
LC	SHU	1997	ISBM-CA_T	4	ISBM	CA	0.007246
LC	SHU	1997	ISBM-CA_S	5	ISBM	CA	0.007246
LC	SHU	1997	Fraser_N	6	ISBM	CA	0
LC	SHU	1997	ISBM-CA_S	7	ISBM	CA	0.03442
LC	SHU	1997	ISBM-CA_S	8	ISBM	CA	0.021739
LC	SHU	1997	ISBM-SUS	9	ISBM	US	0.025362
LC	SHU	1997	ISBM-CA_N	10	ISBM	CA	0.172101
LC	SHU	1997	ISBM-CA_S	11	ISBM	CA	0
LC	SHU	1997	Esc_Stray	12	Esc_Stray	Either	0
LC	SHU	1997	Escapemer	13	Esc	CA	0.512681
LC	SHU	1998	SEAK_T-N-S	1	AABM	US	0.285285
LC	SHU	1998	NBC-WCVI	2	AABM	CA	0.067568
LC	SHU	1998	NBC-WCVI	3	AABM	CA	0.118619
LC	SHU	1998	ISBM-CA_T	4	ISBM	CA	0
LC	SHU	1998	ISBM-CA_S	5	ISBM	CA	0.018018
LC	SHU	1998	Fraser_N	6	ISBM	CA	0
LC	SHU	1998	ISBM-CA_S	7	ISBM	CA	0.058559
LC	SHU	1998	ISBM-CA_S	8	ISBM	CA	0.015015
LC	SHU	1998	ISBM-SUS	9	ISBM	US	0.009009
LC	SHU	1998	ISBM-CA_N	10	ISBM	CA	0.061562
LC	SHU	1998	ISBM-CA_S	11	ISBM	CA	0.007508
LC	SHU	1998	Esc_Stray	12	Esc_Stray	Either	0.013514
LC	SHU	1998	Escapemer	13	Esc	CA	0.345345
LC	SHU	1999	SEAK_T-N-S	1	AABM	US	0.181122
LC	SHU	1999	NBC-WCVI	2	AABM	CA	0.006378
LC	SHU	1999	NBC-WCVI	3	AABM	CA	0.040816
LC	SHU	1999	ISBM-CA_T	4	ISBM	CA	0
LC	SHU	1999	ISBM-CA_S	5	ISBM	CA	0.002551
LC	SHU	1999	Fraser_N	6	ISBM	CA	0
LC	SHU	1999	ISBM-CA_S	7	ISBM	CA	0.038265
LC	SHU	1999	ISBM-CA_S	8	ISBM	CA	0.005102
LC	SHU	1999	ISBM-SUS	9	ISBM	US	0
LC	SHU	1999	ISBM-CA_N	10	ISBM	CA	0.057398
LC	SHU	1999	ISBM-CA_S	11	ISBM	CA	0.003827
LC	SHU	1999	Esc_Stray	12	Esc_Stray	Either	0
LC	SHU	1999	Escapemer	13	Esc	CA	0.664541
LC	SHU	2000	SEAK_T-N-S	1	AABM	US	0.159817
LC	SHU	2000	NBC-WCVI	2	AABM	CA	0
LC	SHU	2000	NBC-WCVI	3	AABM	CA	0.031964
LC	SHU	2000	ISBM-CA_T	4	ISBM	CA	0
LC	SHU	2000	ISBM-CA_S	5	ISBM	CA	0
LC	SHU	2000	Fraser_N	6	ISBM	CA	0
LC	SHU	2000	ISBM-CA_S	7	ISBM	CA	0.025875
LC	SHU	2000	ISBM-CA_S	8	ISBM	CA	0.010655
LC	SHU	2000	ISBM-SUS	9	ISBM	US	0.006088

MortType	Stock	Year	Fishery	FisheryNun	FisheryTyp	FisheryCou	Prop_Mort
LC	SHU	2000	ISBM-CA_N	10	ISBM	CA	0.070015
LC	SHU	2000	ISBM-CA_S	11	ISBM	CA	0.013699
LC	SHU	2000	Esc_Stray	12	Esc_Stray	Either	0.010655
LC	SHU	2000	Escapemer	13	Esc	CA	0.671233
LC	SHU	2001	SEAK_T-N-S	1	AABM	US	0.069725
LC	SHU	2001	NBC-WCVI	2	AABM	CA	0
LC	SHU	2001	NBC-WCVI	3	AABM	CA	0
LC	SHU	2001	ISBM-CA_T	4	ISBM	CA	0.002752
LC	SHU	2001	ISBM-CA_S	5	ISBM	CA	0.009174
LC	SHU	2001	Fraser_N	6	ISBM	CA	0
LC	SHU	2001	ISBM-CA_S	7	ISBM	CA	0.063303
LC	SHU	2001	ISBM-CA_S	8	ISBM	CA	0.018349
LC	SHU	2001	ISBM-SUS	9	ISBM	US	0.005505
LC	SHU	2001	ISBM-CA_N	10	ISBM	CA	0.015596
LC	SHU	2001	ISBM-CA_S	11	ISBM	CA	0.015596
LC	SHU	2001	Esc_Stray	12	Esc_Stray	Either	0
LC	SHU	2001	Escapemer	13	Esc	CA	0.8
LC	SHU	2002	SEAK_T-N-S	1	AABM	US	0.183518
LC	SHU	2002	NBC-WCVI	2	AABM	CA	0.126731
LC	SHU	2002	NBC-WCVI	3	AABM	CA	0.034626
LC	SHU	2002	ISBM-CA_T	4	ISBM	CA	0.000693
LC	SHU	2002	ISBM-CA_S	5	ISBM	CA	0.015236
LC	SHU	2002	Fraser_N	6	ISBM	CA	0
LC	SHU	2002	ISBM-CA_S	7	ISBM	CA	0.020776
LC	SHU	2002	ISBM-CA_S	8	ISBM	CA	0.015236
LC	SHU	2002	ISBM-SUS	9	ISBM	US	0
LC	SHU	2002	ISBM-CA_N	10	ISBM	CA	0.092798
LC	SHU	2002	ISBM-CA_S	11	ISBM	CA	0.004848
LC	SHU	2002	Esc_Stray	12	Esc_Stray	Either	0
LC	SHU	2002	Escapemer	13	Esc	CA	0.50554
LC	SHU	2003	SEAK_T-N-S	1	AABM	US	0.109121
LC	SHU	2003	NBC-WCVI	2	AABM	CA	0.072188
LC	SHU	2003	NBC-WCVI	3	AABM	CA	0.020146
LC	SHU	2003	ISBM-CA_T	4	ISBM	CA	0.008954
LC	SHU	2003	ISBM-CA_S	5	ISBM	CA	0.006715
LC	SHU	2003	Fraser_N	6	ISBM	CA	0
LC	SHU	2003	ISBM-CA_S	7	ISBM	CA	0.026861
LC	SHU	2003	ISBM-CA_S	8	ISBM	CA	0.039172
LC	SHU	2003	ISBM-SUS	9	ISBM	US	0.008394
LC	SHU	2003	ISBM-CA_N	10	ISBM	CA	0.047566
LC	SHU	2003	ISBM-CA_S	11	ISBM	CA	0.022944
LC	SHU	2003	Esc_Stray	12	Esc_Stray	Either	0
LC	SHU	2003	Escapemer	13	Esc	CA	0.637941
LC	SHU	2004	SEAK_T-N-S	1	AABM	US	0.178908
LC	SHU	2004	NBC-WCVI	2	AABM	CA	0.092279
LC	SHU	2004	NBC-WCVI	3	AABM	CA	0.02919

MortType	Stock	Year	Fishery	FisheryNun	FisheryTyp	FisheryCou	Prop_Mort
LC	SHU	2004	ISBM-CA_T	4	ISBM	CA	0
LC	SHU	2004	ISBM-CA_S	5	ISBM	CA	0.043315
LC	SHU	2004	Fraser_N	6	ISBM	CA	0
LC	SHU	2004	ISBM-CA_S	7	ISBM	CA	0.046139
LC	SHU	2004	ISBM-CA_S	8	ISBM	CA	0.00565
LC	SHU	2004	ISBM-SUS	9	ISBM	US	0.014124
LC	SHU	2004	ISBM-CA_N	10	ISBM	CA	0.129944
LC	SHU	2004	ISBM-CA_S	11	ISBM	CA	0.028249
LC	SHU	2004	Esc_Stray	12	Esc_Stray	Either	0
LC	SHU	2004	Escapemer	13	Esc	CA	0.432203
LC	SHU	2005	SEAK_T-N-S	1	AABM	US	0.150993
LC	SHU	2005	NBC-WCVI	2	AABM	CA	0.113907
LC	SHU	2005	NBC-WCVI	3	AABM	CA	0.076821
LC	SHU	2005	ISBM-CA_T	4	ISBM	CA	0
LC	SHU	2005	ISBM-CA_S	5	ISBM	CA	0.01457
LC	SHU	2005	Fraser_N	6	ISBM	CA	0
LC	SHU	2005	ISBM-CA_S	7	ISBM	CA	0.112583
LC	SHU	2005	ISBM-CA_S	8	ISBM	CA	0.022517
LC	SHU	2005	ISBM-SUS	9	ISBM	US	0.006623
LC	SHU	2005	ISBM-CA_N	10	ISBM	CA	0.076821
LC	SHU	2005	ISBM-CA_S	11	ISBM	CA	0.038411
LC	SHU	2005	Esc_Stray	12	Esc_Stray	Either	0
LC	SHU	2005	Escapemer	13	Esc	CA	0.386755
LC	SHU	2006	SEAK_T-N-S	1	AABM	US	0.142403
LC	SHU	2006	NBC-WCVI	2	AABM	CA	0.130469
LC	SHU	2006	NBC-WCVI	3	AABM	CA	0.08035
LC	SHU	2006	ISBM-CA_T	4	ISBM	CA	0
LC	SHU	2006	ISBM-CA_S	5	ISBM	CA	0.015115
LC	SHU	2006	Fraser_N	6	ISBM	CA	0
LC	SHU	2006	ISBM-CA_S	7	ISBM	CA	0.082737
LC	SHU	2006	ISBM-CA_S	8	ISBM	CA	0.011933
LC	SHU	2006	ISBM-SUS	9	ISBM	US	0.010342
LC	SHU	2006	ISBM-CA_N	10	ISBM	CA	0.075577
LC	SHU	2006	ISBM-CA_S	11	ISBM	CA	0.031026
LC	SHU	2006	Esc_Stray	12	Esc_Stray	Either	0.008751
LC	SHU	2006	Escapemer	13	Esc	CA	0.411297
LC	SHU	2007	SEAK_T-N-S	1	AABM	US	0.101415
LC	SHU	2007	NBC-WCVI	2	AABM	CA	0.028302
LC	SHU	2007	NBC-WCVI	3	AABM	CA	0.068396
LC	SHU	2007	ISBM-CA_T	4	ISBM	CA	0
LC	SHU	2007	ISBM-CA_S	5	ISBM	CA	0
LC	SHU	2007	Fraser_N	6	ISBM	CA	0.004717
LC	SHU	2007	ISBM-CA_S	7	ISBM	CA	0.011793
LC	SHU	2007	ISBM-CA_S	8	ISBM	CA	0.021226
LC	SHU	2007	ISBM-SUS	9	ISBM	US	0
LC	SHU	2007	ISBM-CA_N	10	ISBM	CA	0.063679

MortType	Stock	Year	Fishery	FisheryNun	FisheryTyp	FisheryCou	Prop_Mort
LC	SHU	2007	ISBM-CA_S	11	ISBM	CA	0.056604
LC	SHU	2007	Esc_Stray	12	Esc_Stray	Either	0
LC	SHU	2007	Escapemer	13	Esc	CA	0.643868
LC	SHU	2008	SEAK_T-N-S	1	AABM	US	0.069581
LC	SHU	2008	NBC-WCVI	2	AABM	CA	0.066503
LC	SHU	2008	NBC-WCVI	3	AABM	CA	0.081897
LC	SHU	2008	ISBM-CA_T	4	ISBM	CA	0
LC	SHU	2008	ISBM-CA_S	5	ISBM	CA	0
LC	SHU	2008	Fraser_N	6	ISBM	CA	0
LC	SHU	2008	ISBM-CA_S	7	ISBM	CA	0.043103
LC	SHU	2008	ISBM-CA_S	8	ISBM	CA	0.021552
LC	SHU	2008	ISBM-SUS	9	ISBM	US	0
LC	SHU	2008	ISBM-CA_N	10	ISBM	CA	0.031404
LC	SHU	2008	ISBM-CA_S	11	ISBM	CA	0.030788
LC	SHU	2008	Esc_Stray	12	Esc_Stray	Either	0
LC	SHU	2008	Escapemer	13	Esc	CA	0.655172
LC	SHU	2009	SEAK_T-N-S	1	AABM	US	0.084177
LC	SHU	2009	NBC-WCVI	2	AABM	CA	0.062658
LC	SHU	2009	NBC-WCVI	3	AABM	CA	0.049367
LC	SHU	2009	ISBM-CA_T	4	ISBM	CA	0
LC	SHU	2009	ISBM-CA_S	5	ISBM	CA	0.005063
LC	SHU	2009	Fraser_N	6	ISBM	CA	0
LC	SHU	2009	ISBM-CA_S	7	ISBM	CA	0.043038
LC	SHU	2009	ISBM-CA_S	8	ISBM	CA	0.041772
LC	SHU	2009	ISBM-SUS	9	ISBM	US	0.003165
LC	SHU	2009	ISBM-CA_N	10	ISBM	CA	0.106962
LC	SHU	2009	ISBM-CA_S	11	ISBM	CA	0.062025
LC	SHU	2009	Esc_Stray	12	Esc_Stray	Either	0.002532
LC	SHU	2009	Escapemer	13	Esc	CA	0.539241
LC	SHU	2010	SEAK_T-N-S	1	AABM	US	0.095313
LC	SHU	2010	NBC-WCVI	2	AABM	CA	0.090574
LC	SHU	2010	NBC-WCVI	3	AABM	CA	0.031069
LC	SHU	2010	ISBM-CA_T	4	ISBM	CA	0
LC	SHU	2010	ISBM-CA_S	5	ISBM	CA	0.00316
LC	SHU	2010	Fraser_N	6	ISBM	CA	0
LC	SHU	2010	ISBM-CA_S	7	ISBM	CA	0.067404
LC	SHU	2010	ISBM-CA_S	8	ISBM	CA	0.022117
LC	SHU	2010	ISBM-SUS	9	ISBM	US	0.020537
LC	SHU	2010	ISBM-CA_N	10	ISBM	CA	0.100053
LC	SHU	2010	ISBM-CA_S	11	ISBM	CA	0.019484
LC	SHU	2010	Esc_Stray	12	Esc_Stray	Either	0.012638
LC	SHU	2010	Escapemer	13	Esc	CA	0.537651
LC	SHU	2011	SEAK_T-N-S	1	AABM	US	0.086047
LC	SHU	2011	NBC-WCVI	2	AABM	CA	0.075
LC	SHU	2011	NBC-WCVI	3	AABM	CA	0.040116
LC	SHU	2011	ISBM-CA_T	4	ISBM	CA	0

MortType	Stock	Year	Fishery	FisheryNun	FisheryTyp	FisheryCou	Prop_Mort
LC	SHU	2011	ISBM-CA_S	5	ISBM	CA	0.002326
LC	SHU	2011	Fraser_N	6	ISBM	CA	0.009884
LC	SHU	2011	ISBM-CA_S	7	ISBM	CA	0.038372
LC	SHU	2011	ISBM-CA_S	8	ISBM	CA	0.036628
LC	SHU	2011	ISBM-SUS	9	ISBM	US	0.011047
LC	SHU	2011	ISBM-CA_N	10	ISBM	CA	0.1
LC	SHU	2011	ISBM-CA_S	11	ISBM	CA	0.02907
LC	SHU	2011	Esc_Stray	12	Esc_Stray	Either	0.000581
LC	SHU	2011	Escapemer	13	Esc	CA	0.57093
LC	SHU	2012	SEAK_T-N-S	1	AABM	US	0.064441
LC	SHU	2012	NBC-WCVI	2	AABM	CA	0.072642
LC	SHU	2012	NBC-WCVI	3	AABM	CA	0.039836
LC	SHU	2012	ISBM-CA_T	4	ISBM	CA	0
LC	SHU	2012	ISBM-CA_S	5	ISBM	CA	0.008787
LC	SHU	2012	Fraser_N	6	ISBM	CA	0.004101
LC	SHU	2012	ISBM-CA_S	7	ISBM	CA	0.049795
LC	SHU	2012	ISBM-CA_S	8	ISBM	CA	0.041593
LC	SHU	2012	ISBM-SUS	9	ISBM	US	0.015231
LC	SHU	2012	ISBM-CA_N	10	ISBM	CA	0.050967
LC	SHU	2012	ISBM-CA_S	11	ISBM	CA	0.052138
LC	SHU	2012	Esc_Stray	12	Esc_Stray	Either	0
LC	SHU	2012	Escapemer	13	Esc	CA	0.600469
LC	SHU	2013	SEAK_T-N-S	1	AABM	US	0.058164
LC	SHU	2013	NBC-WCVI	2	AABM	CA	0.060432
LC	SHU	2013	NBC-WCVI	3	AABM	CA	0.037887
LC	SHU	2013	ISBM-CA_T	4	ISBM	CA	0
LC	SHU	2013	ISBM-CA_S	5	ISBM	CA	0.004936
LC	SHU	2013	Fraser_N	6	ISBM	CA	0.006937
LC	SHU	2013	ISBM-CA_S	7	ISBM	CA	0.042956
LC	SHU	2013	ISBM-CA_S	8	ISBM	CA	0.051761
LC	SHU	2013	ISBM-SUS	9	ISBM	US	0.014274
LC	SHU	2013	ISBM-CA_N	10	ISBM	CA	0.027215
LC	SHU	2013	ISBM-CA_S	11	ISBM	CA	0.021078
LC	SHU	2013	Esc_Stray	12	Esc_Stray	Either	0.010005
LC	SHU	2013	Escapemer	13	Esc	CA	0.664354
LC	SHU	2014	SEAK_T-N-S	1	AABM	US	0.107796
LC	SHU	2014	NBC-WCVI	2	AABM	CA	0.097155
LC	SHU	2014	NBC-WCVI	3	AABM	CA	0.037011
LC	SHU	2014	ISBM-CA_T	4	ISBM	CA	0.000694
LC	SHU	2014	ISBM-CA_S	5	ISBM	CA	0.003238
LC	SHU	2014	Fraser_N	6	ISBM	CA	0.012954
LC	SHU	2014	ISBM-CA_S	7	ISBM	CA	0.028221
LC	SHU	2014	ISBM-CA_S	8	ISBM	CA	0.022438
LC	SHU	2014	ISBM-SUS	9	ISBM	US	0.035161
LC	SHU	2014	ISBM-CA_N	10	ISBM	CA	0.086745
LC	SHU	2014	ISBM-CA_S	11	ISBM	CA	0.018043

MortType	Stock	Year	Fishery	FisheryNun	FisheryType	FisheryCou	Prop_Mort
LC	SHU	2014	Esc_Stray	12	Esc_Stray	Either	0.009715
LC	SHU	2014	Escapemer	13	Esc	CA	0.540828
LC	SHU	2015	SEAK_T-N-S	1	AABM	US	0.061522
LC	SHU	2015	NBC-WCVI	2	AABM	CA	0.038165
LC	SHU	2015	NBC-WCVI	3	AABM	CA	0.022106
LC	SHU	2015	ISBM-CA_T	4	ISBM	CA	0
LC	SHU	2015	ISBM-CA_S	5	ISBM	CA	0.007508
LC	SHU	2015	Fraser_N	6	ISBM	CA	0.004797
LC	SHU	2015	ISBM-CA_S	7	ISBM	CA	0.042127
LC	SHU	2015	ISBM-CA_S	8	ISBM	CA	0.0317
LC	SHU	2015	ISBM-SUS	9	ISBM	US	0.042753
LC	SHU	2015	ISBM-CA_N	10	ISBM	CA	0.030657
LC	SHU	2015	ISBM-CA_S	11	ISBM	CA	0.029823
LC	SHU	2015	Esc_Stray	12	Esc_Stray	Either	0.01439
LC	SHU	2015	Escapemer	13	Esc	CA	0.674453
LC	SHU	2016	SEAK_T-N-S	1	AABM	US	0.102449
LC	SHU	2016	NBC-WCVI	2	AABM	CA	0.098451
LC	SHU	2016	NBC-WCVI	3	AABM	CA	0.029985
LC	SHU	2016	ISBM-CA_T	4	ISBM	CA	0
LC	SHU	2016	ISBM-CA_S	5	ISBM	CA	0.004998
LC	SHU	2016	Fraser_N	6	ISBM	CA	0.003998
LC	SHU	2016	ISBM-CA_S	7	ISBM	CA	0.047976
LC	SHU	2016	ISBM-CA_S	8	ISBM	CA	0.005997
LC	SHU	2016	ISBM-SUS	9	ISBM	US	0.008496
LC	SHU	2016	ISBM-CA_N	10	ISBM	CA	0.027486
LC	SHU	2016	ISBM-CA_S	11	ISBM	CA	0.011994
LC	SHU	2016	Esc_Stray	12	Esc_Stray	Either	0
LC	SHU	2016	Escapemer	13	Esc	CA	0.658171
LC	SHU	2017	SEAK_T-N-S	1	AABM	US	0.110403
LC	SHU	2017	NBC-WCVI	2	AABM	CA	0.081741
LC	SHU	2017	NBC-WCVI	3	AABM	CA	0.051309
LC	SHU	2017	ISBM-CA_T	4	ISBM	CA	0
LC	SHU	2017	ISBM-CA_S	5	ISBM	CA	0.005662
LC	SHU	2017	Fraser_N	6	ISBM	CA	0.002477
LC	SHU	2017	ISBM-CA_S	7	ISBM	CA	0.072895
LC	SHU	2017	ISBM-CA_S	8	ISBM	CA	0.026893
LC	SHU	2017	ISBM-SUS	9	ISBM	US	0.014508
LC	SHU	2017	ISBM-CA_N	10	ISBM	CA	0.029724
LC	SHU	2017	ISBM-CA_S	11	ISBM	CA	0.016985
LC	SHU	2017	Esc_Stray	12	Esc_Stray	Either	0.005308
LC	SHU	2017	Escapemer	13	Esc	CA	0.582095
LC	SHU	2018	SEAK_T-N-S	1	AABM	US	0.042866
LC	SHU	2018	NBC-WCVI	2	AABM	CA	0.037823
LC	SHU	2018	NBC-WCVI	3	AABM	CA	0.035932
LC	SHU	2018	ISBM-CA_T	4	ISBM	CA	0
LC	SHU	2018	ISBM-CA_S	5	ISBM	CA	0.000841

MortType	Stock	Year	Fishery	FisheryNun	FisheryTyp	FisheryCou	Prop_Mort
LC	SHU	2018	Fraser_N	6	ISBM	CA	0.005673
LC	SHU	2018	ISBM-CA_S	7	ISBM	CA	0.043497
LC	SHU	2018	ISBM-CA_S	8	ISBM	CA	0.042026
LC	SHU	2018	ISBM-SUS	9	ISBM	US	0.010296
LC	SHU	2018	ISBM-CA_N	10	ISBM	CA	0.04938
LC	SHU	2018	ISBM-CA_S	11	ISBM	CA	0.028367
LC	SHU	2018	Esc_Stray	12	Esc_Stray	Either	0.003152
LC	SHU	2018	Escapemer	13	Esc	CA	0.700147
TM	SHU	1979	SEAK_T-N-S	1	AABM	US	NA
TM	SHU	1979	NBC-WCVI	2	AABM	CA	NA
TM	SHU	1979	NBC-WCVI	3	AABM	CA	NA
TM	SHU	1979	ISBM-CA_T	4	ISBM	CA	NA
TM	SHU	1979	ISBM-CA_S	5	ISBM	CA	NA
TM	SHU	1979	Fraser_N	6	ISBM	CA	NA
TM	SHU	1979	ISBM-CA_S	7	ISBM	CA	NA
TM	SHU	1979	ISBM-CA_S	8	ISBM	CA	NA
TM	SHU	1979	ISBM-SUS	9	ISBM	US	NA
TM	SHU	1979	ISBM-CA_N	10	ISBM	CA	NA
TM	SHU	1979	ISBM-CA_S	11	ISBM	CA	NA
TM	SHU	1979	Esc_Stray	12	Esc_Stray	Either	NA
TM	SHU	1979	Escapemer	13	Esc	CA	NA
TM	SHU	1980	SEAK_T-N-S	1	AABM	US	NA
TM	SHU	1980	NBC-WCVI	2	AABM	CA	NA
TM	SHU	1980	NBC-WCVI	3	AABM	CA	NA
TM	SHU	1980	ISBM-CA_T	4	ISBM	CA	NA
TM	SHU	1980	ISBM-CA_S	5	ISBM	CA	NA
TM	SHU	1980	Fraser_N	6	ISBM	CA	NA
TM	SHU	1980	ISBM-CA_S	7	ISBM	CA	NA
TM	SHU	1980	ISBM-CA_S	8	ISBM	CA	NA
TM	SHU	1980	ISBM-SUS	9	ISBM	US	NA
TM	SHU	1980	ISBM-CA_N	10	ISBM	CA	NA
TM	SHU	1980	ISBM-CA_S	11	ISBM	CA	NA
TM	SHU	1980	Esc_Stray	12	Esc_Stray	Either	NA
TM	SHU	1980	Escapemer	13	Esc	CA	NA
TM	SHU	1981	SEAK_T-N-S	1	AABM	US	NA
TM	SHU	1981	NBC-WCVI	2	AABM	CA	NA
TM	SHU	1981	NBC-WCVI	3	AABM	CA	NA
TM	SHU	1981	ISBM-CA_T	4	ISBM	CA	NA
TM	SHU	1981	ISBM-CA_S	5	ISBM	CA	NA
TM	SHU	1981	Fraser_N	6	ISBM	CA	NA
TM	SHU	1981	ISBM-CA_S	7	ISBM	CA	NA
TM	SHU	1981	ISBM-CA_S	8	ISBM	CA	NA
TM	SHU	1981	ISBM-SUS	9	ISBM	US	NA
TM	SHU	1981	ISBM-CA_N	10	ISBM	CA	NA
TM	SHU	1981	ISBM-CA_S	11	ISBM	CA	NA
TM	SHU	1981	Esc_Stray	12	Esc_Stray	Either	NA

MortType	Stock	Year	Fishery	FisheryNun	FisheryType	FisheryCou	Prop_Mort
TM	SHU	1981	Escapemer	13	Esc	CA	NA
TM	SHU	1982	SEAK_T-N-S	1	AABM	US	NA
TM	SHU	1982	NBC-WCVI	2	AABM	CA	NA
TM	SHU	1982	NBC-WCVI	3	AABM	CA	NA
TM	SHU	1982	ISBM-CA_T	4	ISBM	CA	NA
TM	SHU	1982	ISBM-CA_S	5	ISBM	CA	NA
TM	SHU	1982	Fraser_N	6	ISBM	CA	NA
TM	SHU	1982	ISBM-CA_S	7	ISBM	CA	NA
TM	SHU	1982	ISBM-CA_S	8	ISBM	CA	NA
TM	SHU	1982	ISBM-SUS	9	ISBM	US	NA
TM	SHU	1982	ISBM-CA_N	10	ISBM	CA	NA
TM	SHU	1982	ISBM-CA_S	11	ISBM	CA	NA
TM	SHU	1982	Esc_Stray	12	Esc_Stray	Either	NA
TM	SHU	1982	Escapemer	13	Esc	CA	NA
TM	SHU	1983	SEAK_T-N-S	1	AABM	US	NA
TM	SHU	1983	NBC-WCVI	2	AABM	CA	NA
TM	SHU	1983	NBC-WCVI	3	AABM	CA	NA
TM	SHU	1983	ISBM-CA_T	4	ISBM	CA	NA
TM	SHU	1983	ISBM-CA_S	5	ISBM	CA	NA
TM	SHU	1983	Fraser_N	6	ISBM	CA	NA
TM	SHU	1983	ISBM-CA_S	7	ISBM	CA	NA
TM	SHU	1983	ISBM-CA_S	8	ISBM	CA	NA
TM	SHU	1983	ISBM-SUS	9	ISBM	US	NA
TM	SHU	1983	ISBM-CA_N	10	ISBM	CA	NA
TM	SHU	1983	ISBM-CA_S	11	ISBM	CA	NA
TM	SHU	1983	Esc_Stray	12	Esc_Stray	Either	NA
TM	SHU	1983	Escapemer	13	Esc	CA	NA
TM	SHU	1984	SEAK_T-N-S	1	AABM	US	NA
TM	SHU	1984	NBC-WCVI	2	AABM	CA	NA
TM	SHU	1984	NBC-WCVI	3	AABM	CA	NA
TM	SHU	1984	ISBM-CA_T	4	ISBM	CA	NA
TM	SHU	1984	ISBM-CA_S	5	ISBM	CA	NA
TM	SHU	1984	Fraser_N	6	ISBM	CA	NA
TM	SHU	1984	ISBM-CA_S	7	ISBM	CA	NA
TM	SHU	1984	ISBM-CA_S	8	ISBM	CA	NA
TM	SHU	1984	ISBM-SUS	9	ISBM	US	NA
TM	SHU	1984	ISBM-CA_N	10	ISBM	CA	NA
TM	SHU	1984	ISBM-CA_S	11	ISBM	CA	NA
TM	SHU	1984	Esc_Stray	12	Esc_Stray	Either	NA
TM	SHU	1984	Escapemer	13	Esc	CA	NA
TM	SHU	1985	SEAK_T-N-S	1	AABM	US	NA
TM	SHU	1985	NBC-WCVI	2	AABM	CA	NA
TM	SHU	1985	NBC-WCVI	3	AABM	CA	NA
TM	SHU	1985	ISBM-CA_T	4	ISBM	CA	NA
TM	SHU	1985	ISBM-CA_S	5	ISBM	CA	NA
TM	SHU	1985	Fraser_N	6	ISBM	CA	NA

MortType	Stock	Year	Fishery	FisheryNun	FisheryType	FisheryCou	Prop_Mort
TM	SHU	1985	ISBM-CA_S	7	ISBM	CA	NA
TM	SHU	1985	ISBM-CA_S	8	ISBM	CA	NA
TM	SHU	1985	ISBM-SUS	9	ISBM	US	NA
TM	SHU	1985	ISBM-CA_N	10	ISBM	CA	NA
TM	SHU	1985	ISBM-CA_S	11	ISBM	CA	NA
TM	SHU	1985	Esc_Stray	12	Esc_Stray	Either	NA
TM	SHU	1985	Escapemer	13	Esc	CA	NA
TM	SHU	1986	SEAK_T-N-S	1	AABM	US	NA
TM	SHU	1986	NBC-WCVI	2	AABM	CA	NA
TM	SHU	1986	NBC-WCVI	3	AABM	CA	NA
TM	SHU	1986	ISBM-CA_T	4	ISBM	CA	NA
TM	SHU	1986	ISBM-CA_S	5	ISBM	CA	NA
TM	SHU	1986	Fraser_N	6	ISBM	CA	NA
TM	SHU	1986	ISBM-CA_S	7	ISBM	CA	NA
TM	SHU	1986	ISBM-CA_S	8	ISBM	CA	NA
TM	SHU	1986	ISBM-SUS	9	ISBM	US	NA
TM	SHU	1986	ISBM-CA_N	10	ISBM	CA	NA
TM	SHU	1986	ISBM-CA_S	11	ISBM	CA	NA
TM	SHU	1986	Esc_Stray	12	Esc_Stray	Either	NA
TM	SHU	1986	Escapemer	13	Esc	CA	NA
TM	SHU	1987	SEAK_T-N-S	1	AABM	US	0.101266
TM	SHU	1987	NBC-WCVI	2	AABM	CA	0.139241
TM	SHU	1987	NBC-WCVI	3	AABM	CA	0
TM	SHU	1987	ISBM-CA_T	4	ISBM	CA	0.10443
TM	SHU	1987	ISBM-CA_S	5	ISBM	CA	0.011076
TM	SHU	1987	Fraser_N	6	ISBM	CA	0.02057
TM	SHU	1987	ISBM-CA_S	7	ISBM	CA	0.037975
TM	SHU	1987	ISBM-CA_S	8	ISBM	CA	0.003165
TM	SHU	1987	ISBM-SUS	9	ISBM	US	0.028481
TM	SHU	1987	ISBM-CA_N	10	ISBM	CA	0.007911
TM	SHU	1987	ISBM-CA_S	11	ISBM	CA	0.072785
TM	SHU	1987	Esc_Stray	12	Esc_Stray	Either	0.003165
TM	SHU	1987	Escapemer	13	Esc	CA	0.469937
TM	SHU	1988	SEAK_T-N-S	1	AABM	US	0.079151
TM	SHU	1988	NBC-WCVI	2	AABM	CA	0.147201
TM	SHU	1988	NBC-WCVI	3	AABM	CA	0.003378
TM	SHU	1988	ISBM-CA_T	4	ISBM	CA	0.046815
TM	SHU	1988	ISBM-CA_S	5	ISBM	CA	0
TM	SHU	1988	Fraser_N	6	ISBM	CA	0.046332
TM	SHU	1988	ISBM-CA_S	7	ISBM	CA	0.013514
TM	SHU	1988	ISBM-CA_S	8	ISBM	CA	0.014479
TM	SHU	1988	ISBM-SUS	9	ISBM	US	0.01834
TM	SHU	1988	ISBM-CA_N	10	ISBM	CA	0.008687
TM	SHU	1988	ISBM-CA_S	11	ISBM	CA	0.014479
TM	SHU	1988	Esc_Stray	12	Esc_Stray	Either	0.002413
TM	SHU	1988	Escapemer	13	Esc	CA	0.605212

MortType	Stock	Year	Fishery	FisheryNun	FisheryTyp	FisheryCou	Prop_Mort
TM	SHU	1989	SEAK_T-N-S	1	AABM	US	0.091558
TM	SHU	1989	NBC-WCVI	2	AABM	CA	0.083234
TM	SHU	1989	NBC-WCVI	3	AABM	CA	0
TM	SHU	1989	ISBM-CA_T	4	ISBM	CA	0.083234
TM	SHU	1989	ISBM-CA_S	5	ISBM	CA	0
TM	SHU	1989	Fraser_N	6	ISBM	CA	0.047562
TM	SHU	1989	ISBM-CA_S	7	ISBM	CA	0.004162
TM	SHU	1989	ISBM-CA_S	8	ISBM	CA	0
TM	SHU	1989	ISBM-SUS	9	ISBM	US	0.014863
TM	SHU	1989	ISBM-CA_N	10	ISBM	CA	0.011296
TM	SHU	1989	ISBM-CA_S	11	ISBM	CA	0.004162
TM	SHU	1989	Esc_Stray	12	Esc_Stray	Either	0
TM	SHU	1989	Escapemer	13	Esc	CA	0.659929
TM	SHU	1990	SEAK_T-N-S	1	AABM	US	0.285144
TM	SHU	1990	NBC-WCVI	2	AABM	CA	0.231629
TM	SHU	1990	NBC-WCVI	3	AABM	CA	0.033546
TM	SHU	1990	ISBM-CA_T	4	ISBM	CA	0.049521
TM	SHU	1990	ISBM-CA_S	5	ISBM	CA	0.008786
TM	SHU	1990	Fraser_N	6	ISBM	CA	0
TM	SHU	1990	ISBM-CA_S	7	ISBM	CA	0.007987
TM	SHU	1990	ISBM-CA_S	8	ISBM	CA	0.009585
TM	SHU	1990	ISBM-SUS	9	ISBM	US	0.004792
TM	SHU	1990	ISBM-CA_N	10	ISBM	CA	0.075879
TM	SHU	1990	ISBM-CA_S	11	ISBM	CA	0.015176
TM	SHU	1990	Esc_Stray	12	Esc_Stray	Either	0.011182
TM	SHU	1990	Escapemer	13	Esc	CA	0.266773
TM	SHU	1991	SEAK_T-N-S	1	AABM	US	0.347068
TM	SHU	1991	NBC-WCVI	2	AABM	CA	0.251981
TM	SHU	1991	NBC-WCVI	3	AABM	CA	0.004754
TM	SHU	1991	ISBM-CA_T	4	ISBM	CA	0.079239
TM	SHU	1991	ISBM-CA_S	5	ISBM	CA	0
TM	SHU	1991	Fraser_N	6	ISBM	CA	0
TM	SHU	1991	ISBM-CA_S	7	ISBM	CA	0.007924
TM	SHU	1991	ISBM-CA_S	8	ISBM	CA	0.004754
TM	SHU	1991	ISBM-SUS	9	ISBM	US	0.031696
TM	SHU	1991	ISBM-CA_N	10	ISBM	CA	0.052298
TM	SHU	1991	ISBM-CA_S	11	ISBM	CA	0.006339
TM	SHU	1991	Esc_Stray	12	Esc_Stray	Either	0.001585
TM	SHU	1991	Escapemer	13	Esc	CA	0.212361
TM	SHU	1992	SEAK_T-N-S	1	AABM	US	0.135135
TM	SHU	1992	NBC-WCVI	2	AABM	CA	0.222973
TM	SHU	1992	NBC-WCVI	3	AABM	CA	0
TM	SHU	1992	ISBM-CA_T	4	ISBM	CA	0.121622
TM	SHU	1992	ISBM-CA_S	5	ISBM	CA	0
TM	SHU	1992	Fraser_N	6	ISBM	CA	0
TM	SHU	1992	ISBM-CA_S	7	ISBM	CA	0.027027

MortType	Stock	Year	Fishery	FisheryNun	FisheryTyp	FisheryCou	Prop_Mort
TM	SHU	1992	ISBM-CA_S	8	ISBM	CA	0.02027
TM	SHU	1992	ISBM-SUS_	9	ISBM	US	0.027027
TM	SHU	1992	ISBM-CA_N	10	ISBM	CA	0.050676
TM	SHU	1992	ISBM-CA_S	11	ISBM	CA	0.043919
TM	SHU	1992	Esc_Stray	12	Esc_Stray	Either	0
TM	SHU	1992	Escapemer	13	Esc	CA	0.351351
TM	SHU	1993	SEAK_T-N-S	1	AABM	US	0.1375
TM	SHU	1993	NBC-WCVI	2	AABM	CA	0.227083
TM	SHU	1993	NBC-WCVI	3	AABM	CA	0
TM	SHU	1993	ISBM-CA_T	4	ISBM	CA	0.091667
TM	SHU	1993	ISBM-CA_S	5	ISBM	CA	0
TM	SHU	1993	Fraser_N	6	ISBM	CA	0
TM	SHU	1993	ISBM-CA_S	7	ISBM	CA	0.010417
TM	SHU	1993	ISBM-CA_S	8	ISBM	CA	0.004167
TM	SHU	1993	ISBM-SUS_	9	ISBM	US	0.004167
TM	SHU	1993	ISBM-CA_N	10	ISBM	CA	0.085417
TM	SHU	1993	ISBM-CA_S	11	ISBM	CA	0.035417
TM	SHU	1993	Esc_Stray	12	Esc_Stray	Either	0
TM	SHU	1993	Escapemer	13	Esc	CA	0.404167
TM	SHU	1994	SEAK_T-N-S	1	AABM	US	0.104306
TM	SHU	1994	NBC-WCVI	2	AABM	CA	0.255502
TM	SHU	1994	NBC-WCVI	3	AABM	CA	0.017225
TM	SHU	1994	ISBM-CA_T	4	ISBM	CA	0.160766
TM	SHU	1994	ISBM-CA_S	5	ISBM	CA	0
TM	SHU	1994	Fraser_N	6	ISBM	CA	0
TM	SHU	1994	ISBM-CA_S	7	ISBM	CA	0.014354
TM	SHU	1994	ISBM-CA_S	8	ISBM	CA	0.003828
TM	SHU	1994	ISBM-SUS_	9	ISBM	US	0.029665
TM	SHU	1994	ISBM-CA_N	10	ISBM	CA	0.097608
TM	SHU	1994	ISBM-CA_S	11	ISBM	CA	0
TM	SHU	1994	Esc_Stray	12	Esc_Stray	Either	0.004785
TM	SHU	1994	Escapemer	13	Esc	CA	0.311962
TM	SHU	1995	SEAK_T-N-S	1	AABM	US	0.196226
TM	SHU	1995	NBC-WCVI	2	AABM	CA	0.14717
TM	SHU	1995	NBC-WCVI	3	AABM	CA	0.041509
TM	SHU	1995	ISBM-CA_T	4	ISBM	CA	0.043396
TM	SHU	1995	ISBM-CA_S	5	ISBM	CA	0.015094
TM	SHU	1995	Fraser_N	6	ISBM	CA	0
TM	SHU	1995	ISBM-CA_S	7	ISBM	CA	0.013208
TM	SHU	1995	ISBM-CA_S	8	ISBM	CA	0.013208
TM	SHU	1995	ISBM-SUS_	9	ISBM	US	0.032076
TM	SHU	1995	ISBM-CA_N	10	ISBM	CA	0.079245
TM	SHU	1995	ISBM-CA_S	11	ISBM	CA	0.003774
TM	SHU	1995	Esc_Stray	12	Esc_Stray	Either	0.00566
TM	SHU	1995	Escapemer	13	Esc	CA	0.409434
TM	SHU	1996	SEAK_T-N-S	1	AABM	US	0.162853

MortType	Stock	Year	Fishery	FisheryNun	FisheryType	FisheryCou	Prop_Mort
TM	SHU	1996	NBC-WCVI	2	AABM	CA	0.009421
TM	SHU	1996	NBC-WCVI	3	AABM	CA	0.016151
TM	SHU	1996	ISBM-CA_T	4	ISBM	CA	0.005384
TM	SHU	1996	ISBM-CA_S	5	ISBM	CA	0.014805
TM	SHU	1996	Fraser_N	6	ISBM	CA	0
TM	SHU	1996	ISBM-CA_S	7	ISBM	CA	0.021534
TM	SHU	1996	ISBM-CA_S	8	ISBM	CA	0.018843
TM	SHU	1996	ISBM-SUS	9	ISBM	US	0
TM	SHU	1996	ISBM-CA_N	10	ISBM	CA	0.0821
TM	SHU	1996	ISBM-CA_S	11	ISBM	CA	0.013459
TM	SHU	1996	Esc_Stray	12	Esc_Stray	Either	0
TM	SHU	1996	Escapemer	13	Esc	CA	0.655451
TM	SHU	1997	SEAK_T-N-S	1	AABM	US	0.139803
TM	SHU	1997	NBC-WCVI	2	AABM	CA	0.092105
TM	SHU	1997	NBC-WCVI	3	AABM	CA	0.021382
TM	SHU	1997	ISBM-CA_T	4	ISBM	CA	0.039474
TM	SHU	1997	ISBM-CA_S	5	ISBM	CA	0.006579
TM	SHU	1997	Fraser_N	6	ISBM	CA	0
TM	SHU	1997	ISBM-CA_S	7	ISBM	CA	0.03454
TM	SHU	1997	ISBM-CA_S	8	ISBM	CA	0.021382
TM	SHU	1997	ISBM-SUS	9	ISBM	US	0.023026
TM	SHU	1997	ISBM-CA_N	10	ISBM	CA	0.15625
TM	SHU	1997	ISBM-CA_S	11	ISBM	CA	0
TM	SHU	1997	Esc_Stray	12	Esc_Stray	Either	0
TM	SHU	1997	Escapemer	13	Esc	CA	0.465461
TM	SHU	1998	SEAK_T-N-S	1	AABM	US	0.310345
TM	SHU	1998	NBC-WCVI	2	AABM	CA	0.070292
TM	SHU	1998	NBC-WCVI	3	AABM	CA	0.140584
TM	SHU	1998	ISBM-CA_T	4	ISBM	CA	0.003979
TM	SHU	1998	ISBM-CA_S	5	ISBM	CA	0.017241
TM	SHU	1998	Fraser_N	6	ISBM	CA	0
TM	SHU	1998	ISBM-CA_S	7	ISBM	CA	0.057029
TM	SHU	1998	ISBM-CA_S	8	ISBM	CA	0.014589
TM	SHU	1998	ISBM-SUS	9	ISBM	US	0.007958
TM	SHU	1998	ISBM-CA_N	10	ISBM	CA	0.054377
TM	SHU	1998	ISBM-CA_S	11	ISBM	CA	0.006631
TM	SHU	1998	Esc_Stray	12	Esc_Stray	Either	0.011936
TM	SHU	1998	Escapemer	13	Esc	CA	0.30504
TM	SHU	1999	SEAK_T-N-S	1	AABM	US	0.215144
TM	SHU	1999	NBC-WCVI	2	AABM	CA	0.007212
TM	SHU	1999	NBC-WCVI	3	AABM	CA	0.045673
TM	SHU	1999	ISBM-CA_T	4	ISBM	CA	0
TM	SHU	1999	ISBM-CA_S	5	ISBM	CA	0.002404
TM	SHU	1999	Fraser_N	6	ISBM	CA	0
TM	SHU	1999	ISBM-CA_S	7	ISBM	CA	0.040865
TM	SHU	1999	ISBM-CA_S	8	ISBM	CA	0.004808

MortType	Stock	Year	Fishery	FisheryNun	FisheryTyp	FisheryCou	Prop_Mort
TM	SHU	1999	ISBM-SUS_	9	ISBM	US	0
TM	SHU	1999	ISBM-CA_N	10	ISBM	CA	0.054087
TM	SHU	1999	ISBM-CA_S	11	ISBM	CA	0.003606
TM	SHU	1999	Esc_Stray	12	Esc_Stray	Either	0
TM	SHU	1999	Escapemer	13	Esc	CA	0.626202
TM	SHU	2000	SEAK_T-N-S	1	AABM	US	0.208914
TM	SHU	2000	NBC-WCVI_	2	AABM	CA	0
TM	SHU	2000	NBC-WCVI_	3	AABM	CA	0.047354
TM	SHU	2000	ISBM-CA_T	4	ISBM	CA	0
TM	SHU	2000	ISBM-CA_S	5	ISBM	CA	0
TM	SHU	2000	Fraser_N	6	ISBM	CA	0
TM	SHU	2000	ISBM-CA_S	7	ISBM	CA	0.026462
TM	SHU	2000	ISBM-CA_S	8	ISBM	CA	0.009749
TM	SHU	2000	ISBM-SUS_	9	ISBM	US	0.005571
TM	SHU	2000	ISBM-CA_N	10	ISBM	CA	0.064067
TM	SHU	2000	ISBM-CA_S	11	ISBM	CA	0.013928
TM	SHU	2000	Esc_Stray	12	Esc_Stray	Either	0.009749
TM	SHU	2000	Escapemer	13	Esc	CA	0.614206
TM	SHU	2001	SEAK_T-N-S	1	AABM	US	0.096719
TM	SHU	2001	NBC-WCVI_	2	AABM	CA	0
TM	SHU	2001	NBC-WCVI_	3	AABM	CA	0
TM	SHU	2001	ISBM-CA_T	4	ISBM	CA	0.010363
TM	SHU	2001	ISBM-CA_S	5	ISBM	CA	0.010363
TM	SHU	2001	Fraser_N	6	ISBM	CA	0
TM	SHU	2001	ISBM-CA_S	7	ISBM	CA	0.075993
TM	SHU	2001	ISBM-CA_S	8	ISBM	CA	0.018135
TM	SHU	2001	ISBM-SUS_	9	ISBM	US	0.005181
TM	SHU	2001	ISBM-CA_N	10	ISBM	CA	0.014681
TM	SHU	2001	ISBM-CA_S	11	ISBM	CA	0.015544
TM	SHU	2001	Esc_Stray	12	Esc_Stray	Either	0
TM	SHU	2001	Escapemer	13	Esc	CA	0.753022
TM	SHU	2002	SEAK_T-N-S	1	AABM	US	0.207559
TM	SHU	2002	NBC-WCVI_	2	AABM	CA	0.140295
TM	SHU	2002	NBC-WCVI_	3	AABM	CA	0.04164
TM	SHU	2002	ISBM-CA_T	4	ISBM	CA	0.000641
TM	SHU	2002	ISBM-CA_S	5	ISBM	CA	0.016015
TM	SHU	2002	Fraser_N	6	ISBM	CA	0
TM	SHU	2002	ISBM-CA_S	7	ISBM	CA	0.02114
TM	SHU	2002	ISBM-CA_S	8	ISBM	CA	0.014734
TM	SHU	2002	ISBM-SUS_	9	ISBM	US	0
TM	SHU	2002	ISBM-CA_N	10	ISBM	CA	0.085842
TM	SHU	2002	ISBM-CA_S	11	ISBM	CA	0.004484
TM	SHU	2002	Esc_Stray	12	Esc_Stray	Either	0
TM	SHU	2002	Escapemer	13	Esc	CA	0.467649
TM	SHU	2003	SEAK_T-N-S	1	AABM	US	0.122536
TM	SHU	2003	NBC-WCVI_	2	AABM	CA	0.08098

MortType	Stock	Year	Fishery	FisheryNum	FisheryType	FisheryCou	Prop_Mort
TM	SHU	2003	NBC-WCVI	3	AABM	CA	0.024507
TM	SHU	2003	ISBM-CA_T	4	ISBM	CA	0.012786
TM	SHU	2003	ISBM-CA_S	5	ISBM	CA	0.006926
TM	SHU	2003	Fraser_N	6	ISBM	CA	0
TM	SHU	2003	ISBM-CA_S	7	ISBM	CA	0.028769
TM	SHU	2003	ISBM-CA_S	8	ISBM	CA	0.039425
TM	SHU	2003	ISBM-SUS	9	ISBM	US	0.007991
TM	SHU	2003	ISBM-CA_N	10	ISBM	CA	0.045285
TM	SHU	2003	ISBM-CA_S	11	ISBM	CA	0.023442
TM	SHU	2003	Esc_Stray	12	Esc_Stray	Either	0
TM	SHU	2003	Escapemer	13	Esc	CA	0.607352
TM	SHU	2004	SEAK_T-N-S	1	AABM	US	0.199827
TM	SHU	2004	NBC-WCVI	2	AABM	CA	0.101211
TM	SHU	2004	NBC-WCVI	3	AABM	CA	0.039792
TM	SHU	2004	ISBM-CA_T	4	ISBM	CA	0
TM	SHU	2004	ISBM-CA_S	5	ISBM	CA	0.047578
TM	SHU	2004	Fraser_N	6	ISBM	CA	0
TM	SHU	2004	ISBM-CA_S	7	ISBM	CA	0.049308
TM	SHU	2004	ISBM-CA_S	8	ISBM	CA	0.00519
TM	SHU	2004	ISBM-SUS	9	ISBM	US	0.012976
TM	SHU	2004	ISBM-CA_N	10	ISBM	CA	0.119377
TM	SHU	2004	ISBM-CA_S	11	ISBM	CA	0.027682
TM	SHU	2004	Esc_Stray	12	Esc_Stray	Either	0
TM	SHU	2004	Escapemer	13	Esc	CA	0.397059
TM	SHU	2005	SEAK_T-N-S	1	AABM	US	0.168689
TM	SHU	2005	NBC-WCVI	2	AABM	CA	0.127427
TM	SHU	2005	NBC-WCVI	3	AABM	CA	0.084952
TM	SHU	2005	ISBM-CA_T	4	ISBM	CA	0
TM	SHU	2005	ISBM-CA_S	5	ISBM	CA	0.01335
TM	SHU	2005	Fraser_N	6	ISBM	CA	0
TM	SHU	2005	ISBM-CA_S	7	ISBM	CA	0.116505
TM	SHU	2005	ISBM-CA_S	8	ISBM	CA	0.021845
TM	SHU	2005	ISBM-SUS	9	ISBM	US	0.006068
TM	SHU	2005	ISBM-CA_N	10	ISBM	CA	0.070388
TM	SHU	2005	ISBM-CA_S	11	ISBM	CA	0.036408
TM	SHU	2005	Esc_Stray	12	Esc_Stray	Either	0
TM	SHU	2005	Escapemer	13	Esc	CA	0.354369
TM	SHU	2006	SEAK_T-N-S	1	AABM	US	0.146747
TM	SHU	2006	NBC-WCVI	2	AABM	CA	0.135401
TM	SHU	2006	NBC-WCVI	3	AABM	CA	0.090772
TM	SHU	2006	ISBM-CA_T	4	ISBM	CA	0
TM	SHU	2006	ISBM-CA_S	5	ISBM	CA	0.016642
TM	SHU	2006	Fraser_N	6	ISBM	CA	0
TM	SHU	2006	ISBM-CA_S	7	ISBM	CA	0.086233
TM	SHU	2006	ISBM-CA_S	8	ISBM	CA	0.012103
TM	SHU	2006	ISBM-SUS	9	ISBM	US	0.009834

MortType	Stock	Year	Fishery	FisheryNun	FisheryType	FisheryCou	Prop_Mort
TM	SHU	2006	ISBM-CA_N	10	ISBM	CA	0.071861
TM	SHU	2006	ISBM-CA_S	11	ISBM	CA	0.031014
TM	SHU	2006	Esc_Stray	12	Esc_Stray	Either	0.008321
TM	SHU	2006	Escapemer	13	Esc	CA	0.391074
TM	SHU	2007	SEAK_T-N-S	1	AABM	US	0.17357
TM	SHU	2007	NBC-WCVI	2	AABM	CA	0.035503
TM	SHU	2007	NBC-WCVI	3	AABM	CA	0.110454
TM	SHU	2007	ISBM-CA_T	4	ISBM	CA	0
TM	SHU	2007	ISBM-CA_S	5	ISBM	CA	0
TM	SHU	2007	Fraser_N	6	ISBM	CA	0.003945
TM	SHU	2007	ISBM-CA_S	7	ISBM	CA	0.013807
TM	SHU	2007	ISBM-CA_S	8	ISBM	CA	0.019724
TM	SHU	2007	ISBM-SUS	9	ISBM	US	0
TM	SHU	2007	ISBM-CA_N	10	ISBM	CA	0.053254
TM	SHU	2007	ISBM-CA_S	11	ISBM	CA	0.051282
TM	SHU	2007	Esc_Stray	12	Esc_Stray	Either	0
TM	SHU	2007	Escapemer	13	Esc	CA	0.538462
TM	SHU	2008	SEAK_T-N-S	1	AABM	US	0.093732
TM	SHU	2008	NBC-WCVI	2	AABM	CA	0.08131
TM	SHU	2008	NBC-WCVI	3	AABM	CA	0.093168
TM	SHU	2008	ISBM-CA_T	4	ISBM	CA	0
TM	SHU	2008	ISBM-CA_S	5	ISBM	CA	0
TM	SHU	2008	Fraser_N	6	ISBM	CA	0
TM	SHU	2008	ISBM-CA_S	7	ISBM	CA	0.051383
TM	SHU	2008	ISBM-CA_S	8	ISBM	CA	0.020892
TM	SHU	2008	ISBM-SUS	9	ISBM	US	0
TM	SHU	2008	ISBM-CA_N	10	ISBM	CA	0.028797
TM	SHU	2008	ISBM-CA_S	11	ISBM	CA	0.029927
TM	SHU	2008	Esc_Stray	12	Esc_Stray	Either	0
TM	SHU	2008	Escapemer	13	Esc	CA	0.600791
TM	SHU	2009	SEAK_T-N-S	1	AABM	US	0.104672
TM	SHU	2009	NBC-WCVI	2	AABM	CA	0.072147
TM	SHU	2009	NBC-WCVI	3	AABM	CA	0.056771
TM	SHU	2009	ISBM-CA_T	4	ISBM	CA	0
TM	SHU	2009	ISBM-CA_S	5	ISBM	CA	0.005914
TM	SHU	2009	Fraser_N	6	ISBM	CA	0
TM	SHU	2009	ISBM-CA_S	7	ISBM	CA	0.047309
TM	SHU	2009	ISBM-CA_S	8	ISBM	CA	0.041396
TM	SHU	2009	ISBM-SUS	9	ISBM	US	0.00414
TM	SHU	2009	ISBM-CA_N	10	ISBM	CA	0.099941
TM	SHU	2009	ISBM-CA_S	11	ISBM	CA	0.061502
TM	SHU	2009	Esc_Stray	12	Esc_Stray	Either	0.002365
TM	SHU	2009	Escapemer	13	Esc	CA	0.503844
TM	SHU	2010	SEAK_T-N-S	1	AABM	US	0.11358
TM	SHU	2010	NBC-WCVI	2	AABM	CA	0.104691
TM	SHU	2010	NBC-WCVI	3	AABM	CA	0.036049

MortType	Stock	Year	Fishery	FisheryNun	FisheryTyp	FisheryCou	Prop_Mort
TM	SHU	2010	ISBM-CA_T	4	ISBM	CA	0
TM	SHU	2010	ISBM-CA_S	5	ISBM	CA	0.002963
TM	SHU	2010	Fraser_N	6	ISBM	CA	0
TM	SHU	2010	ISBM-CA_S	7	ISBM	CA	0.072099
TM	SHU	2010	ISBM-CA_S	8	ISBM	CA	0.022222
TM	SHU	2010	ISBM-SUS	9	ISBM	US	0.019259
TM	SHU	2010	ISBM-CA_N	10	ISBM	CA	0.093827
TM	SHU	2010	ISBM-CA_S	11	ISBM	CA	0.019259
TM	SHU	2010	Esc_Stray	12	Esc_Stray	Either	0.011852
TM	SHU	2010	Escapemer	13	Esc	CA	0.504198
TM	SHU	2011	SEAK_T-N-S	1	AABM	US	0.099838
TM	SHU	2011	NBC-WCVI	2	AABM	CA	0.089045
TM	SHU	2011	NBC-WCVI	3	AABM	CA	0.050729
TM	SHU	2011	ISBM-CA_T	4	ISBM	CA	0
TM	SHU	2011	ISBM-CA_S	5	ISBM	CA	0.002698
TM	SHU	2011	Fraser_N	6	ISBM	CA	0.012412
TM	SHU	2011	ISBM-CA_S	7	ISBM	CA	0.042094
TM	SHU	2011	ISBM-CA_S	8	ISBM	CA	0.038316
TM	SHU	2011	ISBM-SUS	9	ISBM	US	0.012952
TM	SHU	2011	ISBM-CA_N	10	ISBM	CA	0.092823
TM	SHU	2011	ISBM-CA_S	11	ISBM	CA	0.028602
TM	SHU	2011	Esc_Stray	12	Esc_Stray	Either	0.00054
TM	SHU	2011	Escapemer	13	Esc	CA	0.529951
TM	SHU	2012	SEAK_T-N-S	1	AABM	US	0.094233
TM	SHU	2012	NBC-WCVI	2	AABM	CA	0.085994
TM	SHU	2012	NBC-WCVI	3	AABM	CA	0.056128
TM	SHU	2012	ISBM-CA_T	4	ISBM	CA	0
TM	SHU	2012	ISBM-CA_S	5	ISBM	CA	0.010299
TM	SHU	2012	Fraser_N	6	ISBM	CA	0.003605
TM	SHU	2012	ISBM-CA_S	7	ISBM	CA	0.056643
TM	SHU	2012	ISBM-CA_S	8	ISBM	CA	0.040165
TM	SHU	2012	ISBM-SUS	9	ISBM	US	0.031411
TM	SHU	2012	ISBM-CA_N	10	ISBM	CA	0.044799
TM	SHU	2012	ISBM-CA_S	11	ISBM	CA	0.048919
TM	SHU	2012	Esc_Stray	12	Esc_Stray	Either	0
TM	SHU	2012	Escapemer	13	Esc	CA	0.527806
TM	SHU	2013	SEAK_T-N-S	1	AABM	US	0.079626
TM	SHU	2013	NBC-WCVI	2	AABM	CA	0.077073
TM	SHU	2013	NBC-WCVI	3	AABM	CA	0.044858
TM	SHU	2013	ISBM-CA_T	4	ISBM	CA	0.000122
TM	SHU	2013	ISBM-CA_S	5	ISBM	CA	0.005227
TM	SHU	2013	Fraser_N	6	ISBM	CA	0.016168
TM	SHU	2013	ISBM-CA_S	7	ISBM	CA	0.050328
TM	SHU	2013	ISBM-CA_S	8	ISBM	CA	0.050571
TM	SHU	2013	ISBM-SUS	9	ISBM	US	0.01629
TM	SHU	2013	ISBM-CA_N	10	ISBM	CA	0.024799

MortType	Stock	Year	Fishery	FisheryNun	FisheryType	FisheryCou	Prop_Mort
TM	SHU	2013	ISBM-CA_S	11	ISBM	CA	0.020423
TM	SHU	2013	Esc_Stray	12	Esc_Stray	Either	0.009117
TM	SHU	2013	Escapemer	13	Esc	CA	0.605398
TM	SHU	2014	SEAK_T-N-S	1	AABM	US	0.12042
TM	SHU	2014	NBC-WCVI	2	AABM	CA	0.10435
TM	SHU	2014	NBC-WCVI	3	AABM	CA	0.042854
TM	SHU	2014	ISBM-CA_T	4	ISBM	CA	0.008999
TM	SHU	2014	ISBM-CA_S	5	ISBM	CA	0.003214
TM	SHU	2014	Fraser_N	6	ISBM	CA	0.021427
TM	SHU	2014	ISBM-CA_S	7	ISBM	CA	0.029355
TM	SHU	2014	ISBM-CA_S	8	ISBM	CA	0.022498
TM	SHU	2014	ISBM-SUS	9	ISBM	US	0.038783
TM	SHU	2014	ISBM-CA_N	10	ISBM	CA	0.080351
TM	SHU	2014	ISBM-CA_S	11	ISBM	CA	0.017784
TM	SHU	2014	Esc_Stray	12	Esc_Stray	Either	0.008999
TM	SHU	2014	Escapemer	13	Esc	CA	0.500964
TM	SHU	2015	SEAK_T-N-S	1	AABM	US	0.071842
TM	SHU	2015	NBC-WCVI	2	AABM	CA	0.042507
TM	SHU	2015	NBC-WCVI	3	AABM	CA	0.02714
TM	SHU	2015	ISBM-CA_T	4	ISBM	CA	0
TM	SHU	2015	ISBM-CA_S	5	ISBM	CA	0.008182
TM	SHU	2015	Fraser_N	6	ISBM	CA	0.004989
TM	SHU	2015	ISBM-CA_S	7	ISBM	CA	0.046298
TM	SHU	2015	ISBM-CA_S	8	ISBM	CA	0.032329
TM	SHU	2015	ISBM-SUS	9	ISBM	US	0.047695
TM	SHU	2015	ISBM-CA_N	10	ISBM	CA	0.029336
TM	SHU	2015	ISBM-CA_S	11	ISBM	CA	0.030533
TM	SHU	2015	Esc_Stray	12	Esc_Stray	Either	0.01377
TM	SHU	2015	Escapemer	13	Esc	CA	0.64538
TM	SHU	2016	SEAK_T-N-S	1	AABM	US	0.122316
TM	SHU	2016	NBC-WCVI	2	AABM	CA	0.109244
TM	SHU	2016	NBC-WCVI	3	AABM	CA	0.036881
TM	SHU	2016	ISBM-CA_T	4	ISBM	CA	0
TM	SHU	2016	ISBM-CA_S	5	ISBM	CA	0.005135
TM	SHU	2016	Fraser_N	6	ISBM	CA	0.003735
TM	SHU	2016	ISBM-CA_S	7	ISBM	CA	0.054155
TM	SHU	2016	ISBM-CA_S	8	ISBM	CA	0.006069
TM	SHU	2016	ISBM-SUS	9	ISBM	US	0.010271
TM	SHU	2016	ISBM-CA_N	10	ISBM	CA	0.025677
TM	SHU	2016	ISBM-CA_S	11	ISBM	CA	0.011671
TM	SHU	2016	Esc_Stray	12	Esc_Stray	Either	0
TM	SHU	2016	Escapemer	13	Esc	CA	0.614846
TM	SHU	2017	SEAK_T-N-S	1	AABM	US	0.137435
TM	SHU	2017	NBC-WCVI	2	AABM	CA	0.090314
TM	SHU	2017	NBC-WCVI	3	AABM	CA	0.056283
TM	SHU	2017	ISBM-CA_T	4	ISBM	CA	0

MortType	Stock	Year	Fishery	FisheryNum	FisheryType	FisheryCou	Prop_Mort
TM	SHU	2017	ISBM-CA_S	5	ISBM	CA	0.005563
TM	SHU	2017	Fraser_N	6	ISBM	CA	0.002291
TM	SHU	2017	ISBM-CA_S	7	ISBM	CA	0.078861
TM	SHU	2017	ISBM-CA_S	8	ISBM	CA	0.026505
TM	SHU	2017	ISBM-SUS	9	ISBM	US	0.01538
TM	SHU	2017	ISBM-CA_N	10	ISBM	CA	0.027487
TM	SHU	2017	ISBM-CA_S	11	ISBM	CA	0.016689
TM	SHU	2017	Esc_Stray	12	Esc_Stray	Either	0.004908
TM	SHU	2017	Escapemer	13	Esc	CA	0.538285
TM	SHU	2018	SEAK_T-N-S	1	AABM	US	0.05575
TM	SHU	2018	NBC-WCVI	2	AABM	CA	0.043124
TM	SHU	2018	NBC-WCVI	3	AABM	CA	0.052059
TM	SHU	2018	ISBM-CA_T	4	ISBM	CA	0
TM	SHU	2018	ISBM-CA_S	5	ISBM	CA	0.001166
TM	SHU	2018	Fraser_N	6	ISBM	CA	0.013986
TM	SHU	2018	ISBM-CA_S	7	ISBM	CA	0.051671
TM	SHU	2018	ISBM-CA_S	8	ISBM	CA	0.043318
TM	SHU	2018	ISBM-SUS	9	ISBM	US	0.015152
TM	SHU	2018	ISBM-CA_N	10	ISBM	CA	0.045649
TM	SHU	2018	ISBM-CA_S	11	ISBM	CA	0.027972
TM	SHU	2018	Esc_Stray	12	Esc_Stray	Either	0.002914
TM	SHU	2018	Escapemer	13	Esc	CA	0.647242

Note that the reference period (currently 2013-2017) can be changed by selecting different years in the pivot table in Q1										
	Calendar Year ER - 2018				Calendar Year ER - 2013-17 average Relative Change for 2018				MortType Year	TM 2018
	Spring 4.2 (Nicola)	Summer 4.1 (L Shuswap)	Fall 4.1 (Harrison)	Spring 4.2 (Nicola)	Summer 4.1 (L Shuswap)	Summer 4.2 (Harrison)	Fall 4.1 (Nicola)	Spring 4.2 (L Shuswap)		
Fishery Group										
NBC-WCVI AABM Troll	1.0%	4.3%	0.8%	1.8%	8.5%	2.1%	-45%	-49%	-61% NBC-WCVI_T	1.0%
NBC-WCVI AABM sport	0.3%	5.2%	2.9%	0.0%	4.2%	2.7%	743%	25%	10% NBC-WCVI_S	0.3%
ISBM-Canada sport (inside)	0.0%	0.1%	0.0%	0.0%	0.5%	0.2%	-100%	-79%	-85% ISBM-CA_S(inside)	0.0%
ISBM-Canada Troll, Net	0.0%	0.0%	0.0%	0.0%	0.2%	0.0%	-100%	-100%	ISBM-CA_T-N	0.0%
ISBM-Canada Sport (Juan de Fuca)	3.3%	4.3%	0.5%	3.3%	2.8%	1.1%	-1%	57%	-55% ISBM-CA_S(JdF)	3.3%
ISBM-Canada Sport (Strait of Georgia)	1.7%	5.2%	12.7%	1.2%	5.2%	12.8%	43%	0%	0% ISBM-CA_S(SOG)	1.7%
Fraser Net (marine)	1.2%	1.4%	0.8%	0.8%	1.0%	1.0%	51%	44%	-16% Fraser_N	1.2%
Fraser Net (freshwater)	17.1%	4.6%	2.9%	7.7%	3.8%	1.5%	122%	22%	92% ISBM-CA_N(freshwater)	17.1%
Fraser Sport (freshwater)	0.0%	2.8%	0.0%	0.2%	1.9%	0.2%	-101%	44%	-80% ISBM-CA_S(freshwater)	0.0%
Escapement	73.8%	64.7%	68.2%	82.7%	58.1%	69.8%	-11%	11%	-2% Escapement	73.8%
Total or average in Canada	24.6%	27.9%	20.8%	15.0%	28.0%	21.6%	64%	0%	-3% Total for 2018	24.6%
										20.8%

MortType	TM	average for 2013-17			
Year	(Multiple Items)				
Average of Prop_Mort		Stock	SHU	HAR	
Fishery	NIC				
NBC-WCVI_T	1.8%	8.5%	2.1%		
NBC-WCVI_S	0.0%	4.2%	2.7%		
ISBM-CA_S(inside)	0.0%	0.5%	0.2%		
ISBM-CA_T-N	0.0%	0.2%	0.0%		
ISBM-CA_S(JdF)	3.3%	2.8%	1.1%		
ISBM-CA_S(SOG)	1.2%	5.2%	12.8%		
Fraser_N	0.8%	1.0%	1.0%		
ISBM-CA_N(freshwater)	7.7%	3.8%	1.5%		
ISBM-CA_S(freshwater)	0.2%	1.9%	0.2%		
Escapement	82.7%	58.1%	69.8%		
Total for 2013-17 average	15.0%	28.0%	21.6%		
(Fishery only in total)					

MortType	Stock	Year	Fishery	FisheryNun	FisheryTyp	FisheryCou	Prop_Mort
LC	CHI	2009	SEAK_T-N-S	1	AABM	US	0
LC	CHI	2009	NBC-WCVI_T	2	AABM	CA	0.015011
LC	CHI	2009	NBC-WCVI_S	3	AABM	CA	0.020014
LC	CHI	2009	ISBM-CA_T-N	4	ISBM	CA	0
LC	CHI	2009	ISBM-CA_S(inside)	5	ISBM	CA	0.007505
LC	CHI	2009	Fraser_N	6	ISBM	CA	0
LC	CHI	2009	ISBM-CA_S(SOG)	7	ISBM	CA	0.012866
LC	CHI	2009	ISBM-CA_S(JdF)	8	ISBM	CA	0.007505
LC	CHI	2009	ISBM-SUS_T-N-S	9	ISBM	US	0.027877
LC	CHI	2009	ISBM-CA_N(freshwater)	10	ISBM	CA	0.035382
LC	CHI	2009	ISBM-CA_S(freshwater)	11	ISBM	CA	0.139385
LC	CHI	2009	Esc_Stray	12	Esc_Stray	Either	0.013581
LC	CHI	2009	Escapement	13	Esc	CA	0.720872
LC	CHI	2010	SEAK_T-N-S	1	AABM	US	0.001635
LC	CHI	2010	NBC-WCVI_T	2	AABM	CA	0.025989
LC	CHI	2010	NBC-WCVI_S	3	AABM	CA	0.019941
LC	CHI	2010	ISBM-CA_T-N	4	ISBM	CA	0
LC	CHI	2010	ISBM-CA_S(inside)	5	ISBM	CA	0.001798
LC	CHI	2010	Fraser_N	6	ISBM	CA	0.000327
LC	CHI	2010	ISBM-CA_S(SOG)	7	ISBM	CA	0.029912
LC	CHI	2010	ISBM-CA_S(JdF)	8	ISBM	CA	0.014874
LC	CHI	2010	ISBM-SUS_T-N-S	9	ISBM	US	0.055574
LC	CHI	2010	ISBM-CA_N(freshwater)	10	ISBM	CA	0.015038
LC	CHI	2010	ISBM-CA_S(freshwater)	11	ISBM	CA	0.06015
LC	CHI	2010	Esc_Stray	12	Esc_Stray	Either	0.006211
LC	CHI	2010	Escapement	13	Esc	CA	0.768552
LC	CHI	2011	SEAK_T-N-S	1	AABM	US	0
LC	CHI	2011	NBC-WCVI_T	2	AABM	CA	0.035922
LC	CHI	2011	NBC-WCVI_S	3	AABM	CA	0.020778
LC	CHI	2011	ISBM-CA_T-N	4	ISBM	CA	0.000352
LC	CHI	2011	ISBM-CA_S(inside)	5	ISBM	CA	0.005811
LC	CHI	2011	Fraser_N	6	ISBM	CA	0.006691
LC	CHI	2011	ISBM-CA_S(SOG)	7	ISBM	CA	0.02025
LC	CHI	2011	ISBM-CA_S(JdF)	8	ISBM	CA	0.005107
LC	CHI	2011	ISBM-SUS_T-N-S	9	ISBM	US	0.042085
LC	CHI	2011	ISBM-CA_N(freshwater)	10	ISBM	CA	0.007043
LC	CHI	2011	ISBM-CA_S(freshwater)	11	ISBM	CA	0.029231
LC	CHI	2011	Esc_Stray	12	Esc_Stray	Either	0
LC	CHI	2011	Escapement	13	Esc	CA	0.82673
LC	CHI	2012	SEAK_T-N-S	1	AABM	US	0
LC	CHI	2012	NBC-WCVI_T	2	AABM	CA	0.010116
LC	CHI	2012	NBC-WCVI_S	3	AABM	CA	0.012387
LC	CHI	2012	ISBM-CA_T-N	4	ISBM	CA	0
LC	CHI	2012	ISBM-CA_S(inside)	5	ISBM	CA	0.001652

MortType	Stock	Year	Fishery	FisheryNun	FisheryTyp	FisheryCou	Prop_Mort
LC	CHI	2012	Fraser_N	6	ISBM	CA	0.002064
LC	CHI	2012	ISBM-CA_S(SOG)	7	ISBM	CA	0.048927
LC	CHI	2012	ISBM-CA_S(JdF)	8	ISBM	CA	0.004129
LC	CHI	2012	ISBM-SUS_T-N-S	9	ISBM	US	0.092073
LC	CHI	2012	ISBM-CA_N(freshwater)	10	ISBM	CA	0.003097
LC	CHI	2012	ISBM-CA_S(freshwater)	11	ISBM	CA	0.058216
LC	CHI	2012	Esc_Stray	12	Esc_Stray	Either	0
LC	CHI	2012	Escapement	13	Esc	CA	0.767341
LC	CHI	2013	SEAK_T-N-S	1	AABM	US	0.000332
LC	CHI	2013	NBC-WCVI_T	2	AABM	CA	0.024795
LC	CHI	2013	NBC-WCVI_S	3	AABM	CA	0.0204
LC	CHI	2013	ISBM-CA_T-N	4	ISBM	CA	0.000249
LC	CHI	2013	ISBM-CA_S(inside)	5	ISBM	CA	0.001244
LC	CHI	2013	Fraser_N	6	ISBM	CA	0.00398
LC	CHI	2013	ISBM-CA_S(SOG)	7	ISBM	CA	0.059375
LC	CHI	2013	ISBM-CA_S(JdF)	8	ISBM	CA	0.013019
LC	CHI	2013	ISBM-SUS_T-N-S	9	ISBM	US	0.085413
LC	CHI	2013	ISBM-CA_N(freshwater)	10	ISBM	CA	0.014014
LC	CHI	2013	ISBM-CA_S(freshwater)	11	ISBM	CA	0.057468
LC	CHI	2013	Esc_Stray	12	Esc_Stray	Either	0.002985
LC	CHI	2013	Escapement	13	Esc	CA	0.716726
LC	CHI	2014	SEAK_T-N-S	1	AABM	US	0.001157
LC	CHI	2014	NBC-WCVI_T	2	AABM	CA	0.013969
LC	CHI	2014	NBC-WCVI_S	3	AABM	CA	0.010855
LC	CHI	2014	ISBM-CA_T-N	4	ISBM	CA	0
LC	CHI	2014	ISBM-CA_S(inside)	5	ISBM	CA	0.002313
LC	CHI	2014	Fraser_N	6	ISBM	CA	0.013168
LC	CHI	2014	ISBM-CA_S(SOG)	7	ISBM	CA	0.07821
LC	CHI	2014	ISBM-CA_S(JdF)	8	ISBM	CA	0.010944
LC	CHI	2014	ISBM-SUS_T-N-S	9	ISBM	US	0.060059
LC	CHI	2014	ISBM-CA_N(freshwater)	10	ISBM	CA	0.014325
LC	CHI	2014	ISBM-CA_S(freshwater)	11	ISBM	CA	0.037904
LC	CHI	2014	Esc_Stray	12	Esc_Stray	Either	0.003559
LC	CHI	2014	Escapement	13	Esc	CA	0.753537
LC	CHI	2015	SEAK_T-N-S	1	AABM	US	0
LC	CHI	2015	NBC-WCVI_T	2	AABM	CA	0.005105
LC	CHI	2015	NBC-WCVI_S	3	AABM	CA	0.00527
LC	CHI	2015	ISBM-CA_T-N	4	ISBM	CA	0
LC	CHI	2015	ISBM-CA_S(inside)	5	ISBM	CA	0.000494
LC	CHI	2015	Fraser_N	6	ISBM	CA	0.01054
LC	CHI	2015	ISBM-CA_S(SOG)	7	ISBM	CA	0.075922
LC	CHI	2015	ISBM-CA_S(JdF)	8	ISBM	CA	0.007246
LC	CHI	2015	ISBM-SUS_T-N-S	9	ISBM	US	0.047266
LC	CHI	2015	ISBM-CA_N(freshwater)	10	ISBM	CA	0.033762
LC	CHI	2015	ISBM-CA_S(freshwater)	11	ISBM	CA	0.056983
LC	CHI	2015	Esc_Stray	12	Esc_Stray	Either	0.010705

MortType	Stock	Year	Fishery	FisheryNun	FisheryTyp	FisheryCou	Prop_Mort
LC	CHI	2015	Escapement	13	Esc	CA	0.746706
LC	CHI	2016	SEAK_T-N-S	1	AABM	US	0.000921
LC	CHI	2016	NBC-WCVI_T	2	AABM	CA	0.01074
LC	CHI	2016	NBC-WCVI_S	3	AABM	CA	0.016263
LC	CHI	2016	ISBM-CA_T-N	4	ISBM	CA	0
LC	CHI	2016	ISBM-CA_S(inside)	5	ISBM	CA	0.001381
LC	CHI	2016	Fraser_N	6	ISBM	CA	0.001688
LC	CHI	2016	ISBM-CA_S(SOG)	7	ISBM	CA	0.076557
LC	CHI	2016	ISBM-CA_S(JdF)	8	ISBM	CA	0.003529
LC	CHI	2016	ISBM-SUS_T-N-S	9	ISBM	US	0.025928
LC	CHI	2016	ISBM-CA_N(freshwater)	10	ISBM	CA	0.008285
LC	CHI	2016	ISBM-CA_S(freshwater)	11	ISBM	CA	0.067966
LC	CHI	2016	Esc_Stray	12	Esc_Stray	Either	0.003068
LC	CHI	2016	Escapement	13	Esc	CA	0.783676
LC	CHI	2017	SEAK_T-N-S	1	AABM	US	0
LC	CHI	2017	NBC-WCVI_T	2	AABM	CA	0.018846
LC	CHI	2017	NBC-WCVI_S	3	AABM	CA	0.031145
LC	CHI	2017	ISBM-CA_T-N	4	ISBM	CA	0
LC	CHI	2017	ISBM-CA_S(inside)	5	ISBM	CA	0.002976
LC	CHI	2017	Fraser_N	6	ISBM	CA	0.004364
LC	CHI	2017	ISBM-CA_S(SOG)	7	ISBM	CA	0.115453
LC	CHI	2017	ISBM-CA_S(JdF)	8	ISBM	CA	0.006546
LC	CHI	2017	ISBM-SUS_T-N-S	9	ISBM	US	0.060504
LC	CHI	2017	ISBM-CA_N(freshwater)	10	ISBM	CA	0.006348
LC	CHI	2017	ISBM-CA_S(freshwater)	11	ISBM	CA	0.089863
LC	CHI	2017	Esc_Stray	12	Esc_Stray	Either	0.010712
LC	CHI	2017	Escapement	13	Esc	CA	0.653243
LC	CHI	2018	SEAK_T-N-S	1	AABM	US	0.001563
LC	CHI	2018	NBC-WCVI_T	2	AABM	CA	0.008011
LC	CHI	2018	NBC-WCVI_S	3	AABM	CA	0.009379
LC	CHI	2018	ISBM-CA_T-N	4	ISBM	CA	0
LC	CHI	2018	ISBM-CA_S(inside)	5	ISBM	CA	0.005666
LC	CHI	2018	Fraser_N	6	ISBM	CA	0.003322
LC	CHI	2018	ISBM-CA_S(SOG)	7	ISBM	CA	0.113521
LC	CHI	2018	ISBM-CA_S(JdF)	8	ISBM	CA	0.015631
LC	CHI	2018	ISBM-SUS_T-N-S	9	ISBM	US	0.074248
LC	CHI	2018	ISBM-CA_N(freshwater)	10	ISBM	CA	0.01739
LC	CHI	2018	ISBM-CA_S(freshwater)	11	ISBM	CA	0.029504
LC	CHI	2018	Esc_Stray	12	Esc_Stray	Either	0
LC	CHI	2018	Escapement	13	Esc	CA	0.721766
TM	CHI	2009	SEAK_T-N-S	1	AABM	US	0
TM	CHI	2009	NBC-WCVI_T	2	AABM	CA	0.016745
TM	CHI	2009	NBC-WCVI_S	3	AABM	CA	0.024113
TM	CHI	2009	ISBM-CA_T-N	4	ISBM	CA	0.000335
TM	CHI	2009	ISBM-CA_S(inside)	5	ISBM	CA	0.008372
TM	CHI	2009	Fraser_N	6	ISBM	CA	0

MortType	Stock	Year	Fishery	FisheryNum	FisheryType	FisheryCou	Prop_Mort
TM	CHI	2009	ISBM-CA_S(SOG)	7	ISBM	CA	0.029471
TM	CHI	2009	ISBM-CA_S(JdF)	8	ISBM	CA	0.008707
TM	CHI	2009	ISBM-SUS_T-N-S	9	ISBM	US	0.050904
TM	CHI	2009	ISBM-CA_N(freshwater)	10	ISBM	CA	0.033155
TM	CHI	2009	ISBM-CA_S(freshwater)	11	ISBM	CA	0.139987
TM	CHI	2009	Esc_Stray	12	Esc_Stray	Either	0.012726
TM	CHI	2009	Escapement	13	Esc	CA	0.675486
TM	CHI	2010	SEAK_T-N-S	1	AABM	US	0.002503
TM	CHI	2010	NBC-WCVI_T	2	AABM	CA	0.026904
TM	CHI	2010	NBC-WCVI_S	3	AABM	CA	0.023776
TM	CHI	2010	ISBM-CA_T-N	4	ISBM	CA	0
TM	CHI	2010	ISBM-CA_S(inside)	5	ISBM	CA	0.002033
TM	CHI	2010	Fraser_N	6	ISBM	CA	0.000313
TM	CHI	2010	ISBM-CA_S(SOG)	7	ISBM	CA	0.04458
TM	CHI	2010	ISBM-CA_S(JdF)	8	ISBM	CA	0.015799
TM	CHI	2010	ISBM-SUS_T-N-S	9	ISBM	US	0.066635
TM	CHI	2010	ISBM-CA_N(freshwater)	10	ISBM	CA	0.014391
TM	CHI	2010	ISBM-CA_S(freshwater)	11	ISBM	CA	0.06163
TM	CHI	2010	Esc_Stray	12	Esc_Stray	Either	0.005944
TM	CHI	2010	Escapement	13	Esc	CA	0.735492
TM	CHI	2011	SEAK_T-N-S	1	AABM	US	0
TM	CHI	2011	NBC-WCVI_T	2	AABM	CA	0.038259
TM	CHI	2011	NBC-WCVI_S	3	AABM	CA	0.023976
TM	CHI	2011	ISBM-CA_T-N	4	ISBM	CA	0.00034
TM	CHI	2011	ISBM-CA_S(inside)	5	ISBM	CA	0.006461
TM	CHI	2011	Fraser_N	6	ISBM	CA	0.008502
TM	CHI	2011	ISBM-CA_S(SOG)	7	ISBM	CA	0.027886
TM	CHI	2011	ISBM-CA_S(JdF)	8	ISBM	CA	0.005611
TM	CHI	2011	ISBM-SUS_T-N-S	9	ISBM	US	0.053732
TM	CHI	2011	ISBM-CA_N(freshwater)	10	ISBM	CA	0.006802
TM	CHI	2011	ISBM-CA_S(freshwater)	11	ISBM	CA	0.030097
TM	CHI	2011	Esc_Stray	12	Esc_Stray	Either	0
TM	CHI	2011	Escapement	13	Esc	CA	0.798334
TM	CHI	2012	SEAK_T-N-S	1	AABM	US	0
TM	CHI	2012	NBC-WCVI_T	2	AABM	CA	0.010511
TM	CHI	2012	NBC-WCVI_S	3	AABM	CA	0.014075
TM	CHI	2012	ISBM-CA_T-N	4	ISBM	CA	0
TM	CHI	2012	ISBM-CA_S(inside)	5	ISBM	CA	0.00196
TM	CHI	2012	Fraser_N	6	ISBM	CA	0.00196
TM	CHI	2012	ISBM-CA_S(SOG)	7	ISBM	CA	0.109745
TM	CHI	2012	ISBM-CA_S(JdF)	8	ISBM	CA	0.004276
TM	CHI	2012	ISBM-SUS_T-N-S	9	ISBM	US	0.138963
TM	CHI	2012	ISBM-CA_N(freshwater)	10	ISBM	CA	0.002672
TM	CHI	2012	ISBM-CA_S(freshwater)	11	ISBM	CA	0.053626
TM	CHI	2012	Esc_Stray	12	Esc_Stray	Either	0
TM	CHI	2012	Escapement	13	Esc	CA	0.662213

MortType	Stock	Year	Fishery	FisheryNun	FisheryType	FisheryCou	Prop_Mort
TM	CHI	2013	SEAK_T-N-S	1	AABM	US	0.000613
TM	CHI	2013	NBC-WCVI_T	2	AABM	CA	0.025142
TM	CHI	2013	NBC-WCVI_S	3	AABM	CA	0.023072
TM	CHI	2013	ISBM-CA_T-N	4	ISBM	CA	0.000383
TM	CHI	2013	ISBM-CA_S(inside)	5	ISBM	CA	0.001303
TM	CHI	2013	Fraser_N	6	ISBM	CA	0.009505
TM	CHI	2013	ISBM-CA_S(SOG)	7	ISBM	CA	0.088533
TM	CHI	2013	ISBM-CA_S(JdF)	8	ISBM	CA	0.013491
TM	CHI	2013	ISBM-SUS_T-N-S	9	ISBM	US	0.102943
TM	CHI	2013	ISBM-CA_N(freshwater)	10	ISBM	CA	0.012954
TM	CHI	2013	ISBM-CA_S(freshwater)	11	ISBM	CA	0.056799
TM	CHI	2013	Esc_Stray	12	Esc_Stray	Either	0.002759
TM	CHI	2013	Escapement	13	Esc	CA	0.662502
TM	CHI	2014	SEAK_T-N-S	1	AABM	US	0.001338
TM	CHI	2014	NBC-WCVI_T	2	AABM	CA	0.014048
TM	CHI	2014	NBC-WCVI_S	3	AABM	CA	0.012208
TM	CHI	2014	ISBM-CA_T-N	4	ISBM	CA	0.000585
TM	CHI	2014	ISBM-CA_S(inside)	5	ISBM	CA	0.002509
TM	CHI	2014	Fraser_N	6	ISBM	CA	0.022577
TM	CHI	2014	ISBM-CA_S(SOG)	7	ISBM	CA	0.102182
TM	CHI	2014	ISBM-CA_S(JdF)	8	ISBM	CA	0.011372
TM	CHI	2014	ISBM-SUS_T-N-S	9	ISBM	US	0.07024
TM	CHI	2014	ISBM-CA_N(freshwater)	10	ISBM	CA	0.013463
TM	CHI	2014	ISBM-CA_S(freshwater)	11	ISBM	CA	0.037963
TM	CHI	2014	Esc_Stray	12	Esc_Stray	Either	0.003345
TM	CHI	2014	Escapement	13	Esc	CA	0.70817
TM	CHI	2015	SEAK_T-N-S	1	AABM	US	0
TM	CHI	2015	NBC-WCVI_T	2	AABM	CA	0.005059
TM	CHI	2015	NBC-WCVI_S	3	AABM	CA	0.006008
TM	CHI	2015	ISBM-CA_T-N	4	ISBM	CA	0.000158
TM	CHI	2015	ISBM-CA_S(inside)	5	ISBM	CA	0.000632
TM	CHI	2015	Fraser_N	6	ISBM	CA	0.010909
TM	CHI	2015	ISBM-CA_S(SOG)	7	ISBM	CA	0.096285
TM	CHI	2015	ISBM-CA_S(JdF)	8	ISBM	CA	0.007431
TM	CHI	2015	ISBM-SUS_T-N-S	9	ISBM	US	0.055494
TM	CHI	2015	ISBM-CA_N(freshwater)	10	ISBM	CA	0.032411
TM	CHI	2015	ISBM-CA_S(freshwater)	11	ISBM	CA	0.058498
TM	CHI	2015	Esc_Stray	12	Esc_Stray	Either	0.010277
TM	CHI	2015	Escapement	13	Esc	CA	0.716838
TM	CHI	2016	SEAK_T-N-S	1	AABM	US	0.000876
TM	CHI	2016	NBC-WCVI_T	2	AABM	CA	0.011092
TM	CHI	2016	NBC-WCVI_S	3	AABM	CA	0.018097
TM	CHI	2016	ISBM-CA_T-N	4	ISBM	CA	0
TM	CHI	2016	ISBM-CA_S(inside)	5	ISBM	CA	0.001605
TM	CHI	2016	Fraser_N	6	ISBM	CA	0.001605
TM	CHI	2016	ISBM-CA_S(SOG)	7	ISBM	CA	0.108435

MortType	Stock	Year	Fishery	FisheryNun	FisheryTyp	FisheryCou	Prop_Mort
TM	CHI	2016	ISBM-CA_S(JdF)	8	ISBM	CA	0.003649
TM	CHI	2016	ISBM-SUS_T-N-S	9	ISBM	US	0.029189
TM	CHI	2016	ISBM-CA_N(freshwater)	10	ISBM	CA	0.007881
TM	CHI	2016	ISBM-CA_S(freshwater)	11	ISBM	CA	0.069177
TM	CHI	2016	Esc_Stray	12	Esc_Stray	Either	0.002919
TM	CHI	2016	Escapement	13	Esc	CA	0.745476
TM	CHI	2017	SEAK_T-N-S	1	AABM	US	0
TM	CHI	2017	NBC-WCVI_T	2	AABM	CA	0.018593
TM	CHI	2017	NBC-WCVI_S	3	AABM	CA	0.033328
TM	CHI	2017	ISBM-CA_T-N	4	ISBM	CA	0
TM	CHI	2017	ISBM-CA_S(inside)	5	ISBM	CA	0.003333
TM	CHI	2017	Fraser_N	6	ISBM	CA	0.004385
TM	CHI	2017	ISBM-CA_S(SOG)	7	ISBM	CA	0.187862
TM	CHI	2017	ISBM-CA_S(JdF)	8	ISBM	CA	0.006666
TM	CHI	2017	ISBM-SUS_T-N-S	9	ISBM	US	0.068058
TM	CHI	2017	ISBM-CA_N(freshwater)	10	ISBM	CA	0.005613
TM	CHI	2017	ISBM-CA_S(freshwater)	11	ISBM	CA	0.085073
TM	CHI	2017	Esc_Stray	12	Esc_Stray	Either	0.009472
TM	CHI	2017	Escapement	13	Esc	CA	0.577618
TM	CHI	2018	SEAK_T-N-S	1	AABM	US	0.001772
TM	CHI	2018	NBC-WCVI_T	2	AABM	CA	0.00833
TM	CHI	2018	NBC-WCVI_S	3	AABM	CA	0.010103
TM	CHI	2018	ISBM-CA_T-N	4	ISBM	CA	0
TM	CHI	2018	ISBM-CA_S(inside)	5	ISBM	CA	0.006026
TM	CHI	2018	Fraser_N	6	ISBM	CA	0.007976
TM	CHI	2018	ISBM-CA_S(SOG)	7	ISBM	CA	0.16519
TM	CHI	2018	ISBM-CA_S(JdF)	8	ISBM	CA	0.015775
TM	CHI	2018	ISBM-SUS_T-N-S	9	ISBM	US	0.085608
TM	CHI	2018	ISBM-CA_N(freshwater)	10	ISBM	CA	0.015775
TM	CHI	2018	ISBM-CA_S(freshwater)	11	ISBM	CA	0.028713
TM	CHI	2018	Esc_Stray	12	Esc_Stray	Either	0
TM	CHI	2018	Escapement	13	Esc	CA	0.654732
LC	HAR	2009	SEAK_T-N-S	1	AABM	US	0
LC	HAR	2009	NBC-WCVI_T	2	AABM	CA	0.012381
LC	HAR	2009	NBC-WCVI_S	3	AABM	CA	0.030476
LC	HAR	2009	ISBM-CA_T-N	4	ISBM	CA	0
LC	HAR	2009	ISBM-CA_S(inside)	5	ISBM	CA	0
LC	HAR	2009	Fraser_N	6	ISBM	CA	0
LC	HAR	2009	ISBM-CA_S(SOG)	7	ISBM	CA	0.026191
LC	HAR	2009	ISBM-CA_S(JdF)	8	ISBM	CA	0.002381
LC	HAR	2009	ISBM-SUS_T-N-S	9	ISBM	US	0.017619
LC	HAR	2009	ISBM-CA_N(freshwater)	10	ISBM	CA	0.015714
LC	HAR	2009	ISBM-CA_S(freshwater)	11	ISBM	CA	0.015714
LC	HAR	2009	Esc_Stray	12	Esc_Stray	Either	0.000476
LC	HAR	2009	Escapement	13	Esc	CA	0.879048
LC	HAR	2010	SEAK_T-N-S	1	AABM	US	0.004149

MortType	Stock	Year	Fishery	FisheryNun	FisheryTyp	FisheryCou	Prop_Mort
LC	HAR	2010	NBC-WCVI_T	2	AABM	CA	0.040975
LC	HAR	2010	NBC-WCVI_S	3	AABM	CA	0.031639
LC	HAR	2010	ISBM-CA_T-N	4	ISBM	CA	0
LC	HAR	2010	ISBM-CA_S(inside)	5	ISBM	CA	0.006743
LC	HAR	2010	Fraser_N	6	ISBM	CA	0
LC	HAR	2010	ISBM-CA_S(SOG)	7	ISBM	CA	0.02749
LC	HAR	2010	ISBM-CA_S(JdF)	8	ISBM	CA	0.013486
LC	HAR	2010	ISBM-SUS_T-N-S	9	ISBM	US	0.065871
LC	HAR	2010	ISBM-CA_N(freshwater)	10	ISBM	CA	0.010892
LC	HAR	2010	ISBM-CA_S(freshwater)	11	ISBM	CA	0.003112
LC	HAR	2010	Esc_Stray	12	Esc_Stray	Either	0.000519
LC	HAR	2010	Escapement	13	Esc	CA	0.795124
LC	HAR	2011	SEAK_T-N-S	1	AABM	US	0.002263
LC	HAR	2011	NBC-WCVI_T	2	AABM	CA	0.034327
LC	HAR	2011	NBC-WCVI_S	3	AABM	CA	0.050547
LC	HAR	2011	ISBM-CA_T-N	4	ISBM	CA	0
LC	HAR	2011	ISBM-CA_S(inside)	5	ISBM	CA	0.010185
LC	HAR	2011	Fraser_N	6	ISBM	CA	0.00679
LC	HAR	2011	ISBM-CA_S(SOG)	7	ISBM	CA	0.033195
LC	HAR	2011	ISBM-CA_S(JdF)	8	ISBM	CA	0.002263
LC	HAR	2011	ISBM-SUS_T-N-S	9	ISBM	US	0.055451
LC	HAR	2011	ISBM-CA_N(freshwater)	10	ISBM	CA	0.013957
LC	HAR	2011	ISBM-CA_S(freshwater)	11	ISBM	CA	0
LC	HAR	2011	Esc_Stray	12	Esc_Stray	Either	0
LC	HAR	2011	Escapement	13	Esc	CA	0.791022
LC	HAR	2012	SEAK_T-N-S	1	AABM	US	0.002071
LC	HAR	2012	NBC-WCVI_T	2	AABM	CA	0.012947
LC	HAR	2012	NBC-WCVI_S	3	AABM	CA	0.005697
LC	HAR	2012	ISBM-CA_T-N	4	ISBM	CA	0
LC	HAR	2012	ISBM-CA_S(inside)	5	ISBM	CA	0.003107
LC	HAR	2012	Fraser_N	6	ISBM	CA	0.001036
LC	HAR	2012	ISBM-CA_S(SOG)	7	ISBM	CA	0.051269
LC	HAR	2012	ISBM-CA_S(JdF)	8	ISBM	CA	0.010875
LC	HAR	2012	ISBM-SUS_T-N-S	9	ISBM	US	0.061626
LC	HAR	2012	ISBM-CA_N(freshwater)	10	ISBM	CA	0.003625
LC	HAR	2012	ISBM-CA_S(freshwater)	11	ISBM	CA	0.009322
LC	HAR	2012	Esc_Stray	12	Esc_Stray	Either	0.000518
LC	HAR	2012	Escapement	13	Esc	CA	0.837908
LC	HAR	2013	SEAK_T-N-S	1	AABM	US	0.001246
LC	HAR	2013	NBC-WCVI_T	2	AABM	CA	0.019321
LC	HAR	2013	NBC-WCVI_S	3	AABM	CA	0.020256
LC	HAR	2013	ISBM-CA_T-N	4	ISBM	CA	0
LC	HAR	2013	ISBM-CA_S(inside)	5	ISBM	CA	0.002805
LC	HAR	2013	Fraser_N	6	ISBM	CA	0.004051
LC	HAR	2013	ISBM-CA_S(SOG)	7	ISBM	CA	0.042069
LC	HAR	2013	ISBM-CA_S(JdF)	8	ISBM	CA	0.003428

MortType	Stock	Year	Fishery	FisheryNum	FisheryType	FisheryCou	Prop_Mort
LC	HAR	2013	ISBM-SUS_T-N-S	9	ISBM	US	0.083515
LC	HAR	2013	ISBM-CA_N(freshwater)	10	ISBM	CA	0
LC	HAR	2013	ISBM-CA_S(freshwater)	11	ISBM	CA	0.004674
LC	HAR	2013	Esc_Stray	12	Esc_Stray	Either	0.013711
LC	HAR	2013	Escapement	13	Esc	CA	0.804924
LC	HAR	2014	SEAK_T-N-S	1	AABM	US	0.005114
LC	HAR	2014	NBC-WCVI_T	2	AABM	CA	0.039981
LC	HAR	2014	NBC-WCVI_S	3	AABM	CA	0.008368
LC	HAR	2014	ISBM-CA_T-N	4	ISBM	CA	0
LC	HAR	2014	ISBM-CA_S(inside)	5	ISBM	CA	0.003254
LC	HAR	2014	Fraser_N	6	ISBM	CA	0.011623
LC	HAR	2014	ISBM-CA_S(SOG)	7	ISBM	CA	0.108322
LC	HAR	2014	ISBM-CA_S(JdF)	8	ISBM	CA	0.006974
LC	HAR	2014	ISBM-SUS_T-N-S	9	ISBM	US	0.084147
LC	HAR	2014	ISBM-CA_N(freshwater)	10	ISBM	CA	0.034403
LC	HAR	2014	ISBM-CA_S(freshwater)	11	ISBM	CA	0
LC	HAR	2014	Esc_Stray	12	Esc_Stray	Either	0
LC	HAR	2014	Escapement	13	Esc	CA	0.697815
LC	HAR	2015	SEAK_T-N-S	1	AABM	US	0.001701
LC	HAR	2015	NBC-WCVI_T	2	AABM	CA	0.013039
LC	HAR	2015	NBC-WCVI_S	3	AABM	CA	0.008503
LC	HAR	2015	ISBM-CA_T-N	4	ISBM	CA	0
LC	HAR	2015	ISBM-CA_S(inside)	5	ISBM	CA	0
LC	HAR	2015	Fraser_N	6	ISBM	CA	0.011905
LC	HAR	2015	ISBM-CA_S(SOG)	7	ISBM	CA	0.066893
LC	HAR	2015	ISBM-CA_S(JdF)	8	ISBM	CA	0.015873
LC	HAR	2015	ISBM-SUS_T-N-S	9	ISBM	US	0.056689
LC	HAR	2015	ISBM-CA_N(freshwater)	10	ISBM	CA	0.021542
LC	HAR	2015	ISBM-CA_S(freshwater)	11	ISBM	CA	0.003401
LC	HAR	2015	Esc_Stray	12	Esc_Stray	Either	0
LC	HAR	2015	Escapement	13	Esc	CA	0.800454
LC	HAR	2016	SEAK_T-N-S	1	AABM	US	0.005978
LC	HAR	2016	NBC-WCVI_T	2	AABM	CA	0.009167
LC	HAR	2016	NBC-WCVI_S	3	AABM	CA	0.023515
LC	HAR	2016	ISBM-CA_T-N	4	ISBM	CA	0
LC	HAR	2016	ISBM-CA_S(inside)	5	ISBM	CA	0
LC	HAR	2016	Fraser_N	6	ISBM	CA	0.002391
LC	HAR	2016	ISBM-CA_S(SOG)	7	ISBM	CA	0.055002
LC	HAR	2016	ISBM-CA_S(JdF)	8	ISBM	CA	0.00837
LC	HAR	2016	ISBM-SUS_T-N-S	9	ISBM	US	0.019928
LC	HAR	2016	ISBM-CA_N(freshwater)	10	ISBM	CA	0.017537
LC	HAR	2016	ISBM-CA_S(freshwater)	11	ISBM	CA	0.003986
LC	HAR	2016	Esc_Stray	12	Esc_Stray	Either	0.009167
LC	HAR	2016	Escapement	13	Esc	CA	0.844958
LC	HAR	2017	SEAK_T-N-S	1	AABM	US	0
LC	HAR	2017	NBC-WCVI_T	2	AABM	CA	0.02525

MortType	Stock	Year	Fishery	FisheryNum	FisheryType	FisheryCou	Prop_Mort
LC	HAR	2017	NBC-WCVI_S	3	AABM	CA	0.064592
LC	HAR	2017	ISBM-CA_T-N	4	ISBM	CA	0
LC	HAR	2017	ISBM-CA_S(inside)	5	ISBM	CA	0.001762
LC	HAR	2017	Fraser_N	6	ISBM	CA	0.006459
LC	HAR	2017	ISBM-CA_S(SOG)	7	ISBM	CA	0.149736
LC	HAR	2017	ISBM-CA_S(JdF)	8	ISBM	CA	0.017029
LC	HAR	2017	ISBM-SUS_T-N-S	9	ISBM	US	0.093952
LC	HAR	2017	ISBM-CA_N(freshwater)	10	ISBM	CA	0.008221
LC	HAR	2017	ISBM-CA_S(freshwater)	11	ISBM	CA	0
LC	HAR	2017	Esc_Stray	12	Esc_Stray	Either	0.000587
LC	HAR	2017	Escapement	13	Esc	CA	0.632413
LC	HAR	2018	SEAK_T-N-S	1	AABM	US	0.001556
LC	HAR	2018	NBC-WCVI_T	2	AABM	CA	0.007523
LC	HAR	2018	NBC-WCVI_S	3	AABM	CA	0.026978
LC	HAR	2018	ISBM-CA_T-N	4	ISBM	CA	0
LC	HAR	2018	ISBM-CA_S(inside)	5	ISBM	CA	0.000259
LC	HAR	2018	Fraser_N	6	ISBM	CA	0.003372
LC	HAR	2018	ISBM-CA_S(SOG)	7	ISBM	CA	0.089754
LC	HAR	2018	ISBM-CA_S(JdF)	8	ISBM	CA	0.004669
LC	HAR	2018	ISBM-SUS_T-N-S	9	ISBM	US	0.076265
LC	HAR	2018	ISBM-CA_N(freshwater)	10	ISBM	CA	0.031907
LC	HAR	2018	ISBM-CA_S(freshwater)	11	ISBM	CA	0.000519
LC	HAR	2018	Esc_Stray	12	Esc_Stray	Either	0.018936
LC	HAR	2018	Escapement	13	Esc	CA	0.738262
TM	HAR	2009	SEAK_T-N-S	1	AABM	US	0.000454
TM	HAR	2009	NBC-WCVI_T	2	AABM	CA	0.016341
TM	HAR	2009	NBC-WCVI_S	3	AABM	CA	0.036768
TM	HAR	2009	ISBM-CA_T-N	4	ISBM	CA	0
TM	HAR	2009	ISBM-CA_S(inside)	5	ISBM	CA	0.000908
TM	HAR	2009	Fraser_N	6	ISBM	CA	0
TM	HAR	2009	ISBM-CA_S(SOG)	7	ISBM	CA	0.039492
TM	HAR	2009	ISBM-CA_S(JdF)	8	ISBM	CA	0.003631
TM	HAR	2009	ISBM-SUS_T-N-S	9	ISBM	US	0.033137
TM	HAR	2009	ISBM-CA_N(freshwater)	10	ISBM	CA	0.01498
TM	HAR	2009	ISBM-CA_S(freshwater)	11	ISBM	CA	0.015887
TM	HAR	2009	Esc_Stray	12	Esc_Stray	Either	0.000454
TM	HAR	2009	Escapement	13	Esc	CA	0.837948
TM	HAR	2010	SEAK_T-N-S	1	AABM	US	0.006487
TM	HAR	2010	NBC-WCVI_T	2	AABM	CA	0.041417
TM	HAR	2010	NBC-WCVI_S	3	AABM	CA	0.037425
TM	HAR	2010	ISBM-CA_T-N	4	ISBM	CA	0
TM	HAR	2010	ISBM-CA_S(inside)	5	ISBM	CA	0.006986
TM	HAR	2010	Fraser_N	6	ISBM	CA	0
TM	HAR	2010	ISBM-CA_S(SOG)	7	ISBM	CA	0.036926
TM	HAR	2010	ISBM-CA_S(JdF)	8	ISBM	CA	0.013972
TM	HAR	2010	ISBM-SUS_T-N-S	9	ISBM	US	0.077844

MortType	Stock	Year	Fishery	FisheryNum	FisheryType	FisheryCou	Prop_Mort
TM	HAR	2010	ISBM-CA_N(freshwater)	10	ISBM	CA	0.010479
TM	HAR	2010	ISBM-CA_S(freshwater)	11	ISBM	CA	0.002994
TM	HAR	2010	Esc_Stray	12	Esc_Stray	Either	0.000499
TM	HAR	2010	Escapement	13	Esc	CA	0.76497
TM	HAR	2011	SEAK_T-N-S	1	AABM	US	0.002566
TM	HAR	2011	NBC-WCVI_T	2	AABM	CA	0.034458
TM	HAR	2011	NBC-WCVI_S	3	AABM	CA	0.056452
TM	HAR	2011	ISBM-CA_T-N	4	ISBM	CA	0
TM	HAR	2011	ISBM-CA_S(inside)	5	ISBM	CA	0.010997
TM	HAR	2011	Fraser_N	6	ISBM	CA	0.008065
TM	HAR	2011	ISBM-CA_S(SOG)	7	ISBM	CA	0.039223
TM	HAR	2011	ISBM-CA_S(JdF)	8	ISBM	CA	0.002199
TM	HAR	2011	ISBM-SUS_T-N-S	9	ISBM	US	0.063783
TM	HAR	2011	ISBM-CA_N(freshwater)	10	ISBM	CA	0.013563
TM	HAR	2011	ISBM-CA_S(freshwater)	11	ISBM	CA	0
TM	HAR	2011	Esc_Stray	12	Esc_Stray	Either	0
TM	HAR	2011	Escapement	13	Esc	CA	0.768695
TM	HAR	2012	SEAK_T-N-S	1	AABM	US	0.002392
TM	HAR	2012	NBC-WCVI_T	2	AABM	CA	0.013397
TM	HAR	2012	NBC-WCVI_S	3	AABM	CA	0.006699
TM	HAR	2012	ISBM-CA_T-N	4	ISBM	CA	0
TM	HAR	2012	ISBM-CA_S(inside)	5	ISBM	CA	0.003349
TM	HAR	2012	Fraser_N	6	ISBM	CA	0.000957
TM	HAR	2012	ISBM-CA_S(SOG)	7	ISBM	CA	0.08134
TM	HAR	2012	ISBM-CA_S(JdF)	8	ISBM	CA	0.011483
TM	HAR	2012	ISBM-SUS_T-N-S	9	ISBM	US	0.093301
TM	HAR	2012	ISBM-CA_N(freshwater)	10	ISBM	CA	0.003349
TM	HAR	2012	ISBM-CA_S(freshwater)	11	ISBM	CA	0.009091
TM	HAR	2012	Esc_Stray	12	Esc_Stray	Either	0.000478
TM	HAR	2012	Escapement	13	Esc	CA	0.774163
TM	HAR	2013	SEAK_T-N-S	1	AABM	US	0.002302
TM	HAR	2013	NBC-WCVI_T	2	AABM	CA	0.020144
TM	HAR	2013	NBC-WCVI_S	3	AABM	CA	0.023309
TM	HAR	2013	ISBM-CA_T-N	4	ISBM	CA	0
TM	HAR	2013	ISBM-CA_S(inside)	5	ISBM	CA	0.003165
TM	HAR	2013	Fraser_N	6	ISBM	CA	0.01036
TM	HAR	2013	ISBM-CA_S(SOG)	7	ISBM	CA	0.068777
TM	HAR	2013	ISBM-CA_S(JdF)	8	ISBM	CA	0.003741
TM	HAR	2013	ISBM-SUS_T-N-S	9	ISBM	US	0.107626
TM	HAR	2013	ISBM-CA_N(freshwater)	10	ISBM	CA	0
TM	HAR	2013	ISBM-CA_S(freshwater)	11	ISBM	CA	0.004604
TM	HAR	2013	Esc_Stray	12	Esc_Stray	Either	0.012662
TM	HAR	2013	Escapement	13	Esc	CA	0.743309
TM	HAR	2014	SEAK_T-N-S	1	AABM	US	0.006599
TM	HAR	2014	NBC-WCVI_T	2	AABM	CA	0.039155
TM	HAR	2014	NBC-WCVI_S	3	AABM	CA	0.008799

MortType	Stock	Year	Fishery	FisheryNun	FisheryType	FisheryCou	Prop_Mort
TM	HAR	2014	ISBM-CA_T-N	4	ISBM	CA	0.00044
TM	HAR	2014	ISBM-CA_S(inside)	5	ISBM	CA	0.00352
TM	HAR	2014	Fraser_N	6	ISBM	CA	0.019358
TM	HAR	2014	ISBM-CA_S(SOG)	7	ISBM	CA	0.127585
TM	HAR	2014	ISBM-CA_S(JdF)	8	ISBM	CA	0.007039
TM	HAR	2014	ISBM-SUS_T-N-S	9	ISBM	US	0.094589
TM	HAR	2014	ISBM-CA_N(freshwater)	10	ISBM	CA	0.032556
TM	HAR	2014	ISBM-CA_S(freshwater)	11	ISBM	CA	0
TM	HAR	2014	Esc_Stray	12	Esc_Stray	Either	0
TM	HAR	2014	Escapement	13	Esc	CA	0.660361
TM	HAR	2015	SEAK_T-N-S	1	AABM	US	0.002179
TM	HAR	2015	NBC-WCVI_T	2	AABM	CA	0.013617
TM	HAR	2015	NBC-WCVI_S	3	AABM	CA	0.010349
TM	HAR	2015	ISBM-CA_T-N	4	ISBM	CA	0
TM	HAR	2015	ISBM-CA_S(inside)	5	ISBM	CA	0
TM	HAR	2015	Fraser_N	6	ISBM	CA	0.011983
TM	HAR	2015	ISBM-CA_S(SOG)	7	ISBM	CA	0.086057
TM	HAR	2015	ISBM-CA_S(JdF)	8	ISBM	CA	0.016885
TM	HAR	2015	ISBM-SUS_T-N-S	9	ISBM	US	0.065904
TM	HAR	2015	ISBM-CA_N(freshwater)	10	ISBM	CA	0.020697
TM	HAR	2015	ISBM-CA_S(freshwater)	11	ISBM	CA	0.003268
TM	HAR	2015	Esc_Stray	12	Esc_Stray	Either	0
TM	HAR	2015	Escapement	13	Esc	CA	0.769063
TM	HAR	2016	SEAK_T-N-S	1	AABM	US	0.007211
TM	HAR	2016	NBC-WCVI_T	2	AABM	CA	0.009867
TM	HAR	2016	NBC-WCVI_S	3	AABM	CA	0.026566
TM	HAR	2016	ISBM-CA_T-N	4	ISBM	CA	0
TM	HAR	2016	ISBM-CA_S(inside)	5	ISBM	CA	0
TM	HAR	2016	Fraser_N	6	ISBM	CA	0.002277
TM	HAR	2016	ISBM-CA_S(SOG)	7	ISBM	CA	0.087666
TM	HAR	2016	ISBM-CA_S(JdF)	8	ISBM	CA	0.009108
TM	HAR	2016	ISBM-SUS_T-N-S	9	ISBM	US	0.02315
TM	HAR	2016	ISBM-CA_N(freshwater)	10	ISBM	CA	0.016698
TM	HAR	2016	ISBM-CA_S(freshwater)	11	ISBM	CA	0.004175
TM	HAR	2016	Esc_Stray	12	Esc_Stray	Either	0.008729
TM	HAR	2016	Escapement	13	Esc	CA	0.804554
TM	HAR	2017	SEAK_T-N-S	1	AABM	US	0
TM	HAR	2017	NBC-WCVI_T	2	AABM	CA	0.023333
TM	HAR	2017	NBC-WCVI_S	3	AABM	CA	0.06381
TM	HAR	2017	ISBM-CA_T-N	4	ISBM	CA	0
TM	HAR	2017	ISBM-CA_S(inside)	5	ISBM	CA	0.001429
TM	HAR	2017	Fraser_N	6	ISBM	CA	0.005714
TM	HAR	2017	ISBM-CA_S(SOG)	7	ISBM	CA	0.269048
TM	HAR	2017	ISBM-CA_S(JdF)	8	ISBM	CA	0.016191
TM	HAR	2017	ISBM-SUS_T-N-S	9	ISBM	US	0.100476
TM	HAR	2017	ISBM-CA_N(freshwater)	10	ISBM	CA	0.006667

MortType	Stock	Year	Fishery	FisheryNum	FisheryType	FisheryCou	Prop_Mort
TM	HAR	2017	ISBM-CA_S(freshwater)	11	ISBM	CA	0
TM	HAR	2017	Esc_Stray	12	Esc_Stray	Either	0.000476
TM	HAR	2017	Escapement	13	Esc	CA	0.512857
TM	HAR	2018	SEAK_T-N-S	1	AABM	US	0.001676
TM	HAR	2018	NBC-WCVI_T	2	AABM	CA	0.008381
TM	HAR	2018	NBC-WCVI_S	3	AABM	CA	0.029215
TM	HAR	2018	ISBM-CA_T-N	4	ISBM	CA	0
TM	HAR	2018	ISBM-CA_S(inside)	5	ISBM	CA	0.000239
TM	HAR	2018	Fraser_N	6	ISBM	CA	0.008381
TM	HAR	2018	ISBM-CA_S(SOG)	7	ISBM	CA	0.127395
TM	HAR	2018	ISBM-CA_S(JdF)	8	ISBM	CA	0.004789
TM	HAR	2018	ISBM-SUS_T-N-S	9	ISBM	US	0.090996
TM	HAR	2018	ISBM-CA_N(freshwater)	10	ISBM	CA	0.029454
TM	HAR	2018	ISBM-CA_S(freshwater)	11	ISBM	CA	0.000479
TM	HAR	2018	Esc_Stray	12	Esc_Stray	Either	0.017481
TM	HAR	2018	Escapement	13	Esc	CA	0.681513
LC	NIC	2009	SEAK_T-N-S	1	AABM	US	0
LC	NIC	2009	NBC-WCVI_T	2	AABM	CA	0.003623
LC	NIC	2009	NBC-WCVI_S	3	AABM	CA	0
LC	NIC	2009	ISBM-CA_T-N	4	ISBM	CA	0
LC	NIC	2009	ISBM-CA_S(inside)	5	ISBM	CA	0
LC	NIC	2009	Fraser_N	6	ISBM	CA	0
LC	NIC	2009	ISBM-CA_S(SOG)	7	ISBM	CA	0
LC	NIC	2009	ISBM-CA_S(JdF)	8	ISBM	CA	0.07971
LC	NIC	2009	ISBM-SUS_T-N-S	9	ISBM	US	0.036232
LC	NIC	2009	ISBM-CA_N(freshwater)	10	ISBM	CA	0.199275
LC	NIC	2009	ISBM-CA_S(freshwater)	11	ISBM	CA	0.199275
LC	NIC	2009	Esc_Stray	12	Esc_Stray	Either	0
LC	NIC	2009	Escapement	13	Esc	CA	0.481884
LC	NIC	2010	SEAK_T-N-S	1	AABM	US	0.003045
LC	NIC	2010	NBC-WCVI_T	2	AABM	CA	0.011309
LC	NIC	2010	NBC-WCVI_S	3	AABM	CA	0.002175
LC	NIC	2010	ISBM-CA_T-N	4	ISBM	CA	0
LC	NIC	2010	ISBM-CA_S(inside)	5	ISBM	CA	0
LC	NIC	2010	Fraser_N	6	ISBM	CA	0
LC	NIC	2010	ISBM-CA_S(SOG)	7	ISBM	CA	0.009134
LC	NIC	2010	ISBM-CA_S(JdF)	8	ISBM	CA	0.00522
LC	NIC	2010	ISBM-SUS_T-N-S	9	ISBM	US	0.009569
LC	NIC	2010	ISBM-CA_N(freshwater)	10	ISBM	CA	0.046542
LC	NIC	2010	ISBM-CA_S(freshwater)	11	ISBM	CA	0
LC	NIC	2010	Esc_Stray	12	Esc_Stray	Either	0
LC	NIC	2010	Escapement	13	Esc	CA	0.913006
LC	NIC	2011	SEAK_T-N-S	1	AABM	US	0
LC	NIC	2011	NBC-WCVI_T	2	AABM	CA	0.005988
LC	NIC	2011	NBC-WCVI_S	3	AABM	CA	0.004491
LC	NIC	2011	ISBM-CA_T-N	4	ISBM	CA	0

MortType	Stock	Year	Fishery	FisheryNun	FisheryTyp	FisheryCou	Prop_Mort
LC	NIC	2011	ISBM-CA_S(inside)	5	ISBM	CA	0
LC	NIC	2011	Fraser_N	6	ISBM	CA	0.002994
LC	NIC	2011	ISBM-CA_S(SOG)	7	ISBM	CA	0.01497
LC	NIC	2011	ISBM-CA_S(JdF)	8	ISBM	CA	0.023952
LC	NIC	2011	ISBM-SUS_T-N-S	9	ISBM	US	0.028443
LC	NIC	2011	ISBM-CA_N(freshwater)	10	ISBM	CA	0.038922
LC	NIC	2011	ISBM-CA_S(freshwater)	11	ISBM	CA	0.023952
LC	NIC	2011	Esc_Stray	12	Esc_Stray	Either	0
LC	NIC	2011	Escapement	13	Esc	CA	0.856287
LC	NIC	2012	SEAK_T-N-S	1	AABM	US	0
LC	NIC	2012	NBC-WCVI_T	2	AABM	CA	0.004292
LC	NIC	2012	NBC-WCVI_S	3	AABM	CA	0.005722
LC	NIC	2012	ISBM-CA_T-N	4	ISBM	CA	0
LC	NIC	2012	ISBM-CA_S(inside)	5	ISBM	CA	0
LC	NIC	2012	Fraser_N	6	ISBM	CA	0.005722
LC	NIC	2012	ISBM-CA_S(SOG)	7	ISBM	CA	0.018598
LC	NIC	2012	ISBM-CA_S(JdF)	8	ISBM	CA	0.017167
LC	NIC	2012	ISBM-SUS_T-N-S	9	ISBM	US	0.067239
LC	NIC	2012	ISBM-CA_N(freshwater)	10	ISBM	CA	0.177396
LC	NIC	2012	ISBM-CA_S(freshwater)	11	ISBM	CA	0.008584
LC	NIC	2012	Esc_Stray	12	Esc_Stray	Either	0
LC	NIC	2012	Escapement	13	Esc	CA	0.695279
LC	NIC	2013	SEAK_T-N-S	1	AABM	US	0
LC	NIC	2013	NBC-WCVI_T	2	AABM	CA	0.01046
LC	NIC	2013	NBC-WCVI_S	3	AABM	CA	0
LC	NIC	2013	ISBM-CA_T-N	4	ISBM	CA	0
LC	NIC	2013	ISBM-CA_S(inside)	5	ISBM	CA	0.002092
LC	NIC	2013	Fraser_N	6	ISBM	CA	0.002092
LC	NIC	2013	ISBM-CA_S(SOG)	7	ISBM	CA	0.009066
LC	NIC	2013	ISBM-CA_S(JdF)	8	ISBM	CA	0.033473
LC	NIC	2013	ISBM-SUS_T-N-S	9	ISBM	US	0.03696
LC	NIC	2013	ISBM-CA_N(freshwater)	10	ISBM	CA	0.016039
LC	NIC	2013	ISBM-CA_S(freshwater)	11	ISBM	CA	0
LC	NIC	2013	Esc_Stray	12	Esc_Stray	Either	0
LC	NIC	2013	Escapement	13	Esc	CA	0.889819
LC	NIC	2014	SEAK_T-N-S	1	AABM	US	0
LC	NIC	2014	NBC-WCVI_T	2	AABM	CA	0.018562
LC	NIC	2014	NBC-WCVI_S	3	AABM	CA	0
LC	NIC	2014	ISBM-CA_T-N	4	ISBM	CA	0
LC	NIC	2014	ISBM-CA_S(inside)	5	ISBM	CA	0
LC	NIC	2014	Fraser_N	6	ISBM	CA	0.009281
LC	NIC	2014	ISBM-CA_S(SOG)	7	ISBM	CA	0
LC	NIC	2014	ISBM-CA_S(JdF)	8	ISBM	CA	0.009281
LC	NIC	2014	ISBM-SUS_T-N-S	9	ISBM	US	0.013921
LC	NIC	2014	ISBM-CA_N(freshwater)	10	ISBM	CA	0.092807
LC	NIC	2014	ISBM-CA_S(freshwater)	11	ISBM	CA	0.009281

MortType	Stock	Year	Fishery	FisheryNun	FisheryTyp	FisheryCou	Prop_Mort
LC	NIC	2014	Esc_Stray	12	Esc_Stray	Either	0
LC	NIC	2014	Escapement	13	Esc	CA	0.846868
LC	NIC	2015	SEAK_T-N-S	1	AABM	US	0
LC	NIC	2015	NBC-WCVI_T	2	AABM	CA	0.004563
LC	NIC	2015	NBC-WCVI_S	3	AABM	CA	0.001304
LC	NIC	2015	ISBM-CA_T-N	4	ISBM	CA	0
LC	NIC	2015	ISBM-CA_S(inside)	5	ISBM	CA	0
LC	NIC	2015	Fraser_N	6	ISBM	CA	0.008475
LC	NIC	2015	ISBM-CA_S(SOG)	7	ISBM	CA	0.005867
LC	NIC	2015	ISBM-CA_S(JdF)	8	ISBM	CA	0.024772
LC	NIC	2015	ISBM-SUS_T-N-S	9	ISBM	US	0.014994
LC	NIC	2015	ISBM-CA_N(freshwater)	10	ISBM	CA	0.101043
LC	NIC	2015	ISBM-CA_S(freshwater)	11	ISBM	CA	0
LC	NIC	2015	Esc_Stray	12	Esc_Stray	Either	0
LC	NIC	2015	Escapement	13	Esc	CA	0.838983
LC	NIC	2016	SEAK_T-N-S	1	AABM	US	0.002096
LC	NIC	2016	NBC-WCVI_T	2	AABM	CA	0.023061
LC	NIC	2016	NBC-WCVI_S	3	AABM	CA	0
LC	NIC	2016	ISBM-CA_T-N	4	ISBM	CA	0
LC	NIC	2016	ISBM-CA_S(inside)	5	ISBM	CA	0
LC	NIC	2016	Fraser_N	6	ISBM	CA	0.007338
LC	NIC	2016	ISBM-CA_S(SOG)	7	ISBM	CA	0.01782
LC	NIC	2016	ISBM-CA_S(JdF)	8	ISBM	CA	0.072327
LC	NIC	2016	ISBM-SUS_T-N-S	9	ISBM	US	0.008386
LC	NIC	2016	ISBM-CA_N(freshwater)	10	ISBM	CA	0.102725
LC	NIC	2016	ISBM-CA_S(freshwater)	11	ISBM	CA	0
LC	NIC	2016	Esc_Stray	12	Esc_Stray	Either	0
LC	NIC	2016	Escapement	13	Esc	CA	0.766247
LC	NIC	2017	SEAK_T-N-S	1	AABM	US	0
LC	NIC	2017	NBC-WCVI_T	2	AABM	CA	0.018639
LC	NIC	2017	NBC-WCVI_S	3	AABM	CA	0
LC	NIC	2017	ISBM-CA_T-N	4	ISBM	CA	0
LC	NIC	2017	ISBM-CA_S(inside)	5	ISBM	CA	0
LC	NIC	2017	Fraser_N	6	ISBM	CA	0.001864
LC	NIC	2017	ISBM-CA_S(SOG)	7	ISBM	CA	0.012116
LC	NIC	2017	ISBM-CA_S(JdF)	8	ISBM	CA	0.017707
LC	NIC	2017	ISBM-SUS_T-N-S	9	ISBM	US	0.014912
LC	NIC	2017	ISBM-CA_N(freshwater)	10	ISBM	CA	0.077353
LC	NIC	2017	ISBM-CA_S(freshwater)	11	ISBM	CA	0
LC	NIC	2017	Esc_Stray	12	Esc_Stray	Either	0
LC	NIC	2017	Escapement	13	Esc	CA	0.857409
LC	NIC	2018	SEAK_T-N-S	1	AABM	US	0
LC	NIC	2018	NBC-WCVI_T	2	AABM	CA	0.009978
LC	NIC	2018	NBC-WCVI_S	3	AABM	CA	0.002217
LC	NIC	2018	ISBM-CA_T-N	4	ISBM	CA	0
LC	NIC	2018	ISBM-CA_S(inside)	5	ISBM	CA	0

MortType	Stock	Year	Fishery	FisheryNum	FisheryType	FisheryCou	Prop_Mort
LC	NIC	2018	Fraser_N	6	ISBM	CA	0.004435
LC	NIC	2018	ISBM-CA_S(SOG)	7	ISBM	CA	0.013304
LC	NIC	2018	ISBM-CA_S(JdF)	8	ISBM	CA	0.031042
LC	NIC	2018	ISBM-SUS_T-N-S	9	ISBM	US	0.013304
LC	NIC	2018	ISBM-CA_N(freshwater)	10	ISBM	CA	0.174058
LC	NIC	2018	ISBM-CA_S(freshwater)	11	ISBM	CA	0
LC	NIC	2018	Esc_Stray	12	Esc_Stray	Either	0
LC	NIC	2018	Escapement	13	Esc	CA	0.751663
TM	NIC	2009	SEAK_T-N-S	1	AABM	US	0
TM	NIC	2009	NBC-WCVI_T	2	AABM	CA	0.003413
TM	NIC	2009	NBC-WCVI_S	3	AABM	CA	0
TM	NIC	2009	ISBM-CA_T-N	4	ISBM	CA	0
TM	NIC	2009	ISBM-CA_S(inside)	5	ISBM	CA	0
TM	NIC	2009	Fraser_N	6	ISBM	CA	0
TM	NIC	2009	ISBM-CA_S(SOG)	7	ISBM	CA	0
TM	NIC	2009	ISBM-CA_S(JdF)	8	ISBM	CA	0.081911
TM	NIC	2009	ISBM-SUS_T-N-S	9	ISBM	US	0.071672
TM	NIC	2009	ISBM-CA_N(freshwater)	10	ISBM	CA	0.187713
TM	NIC	2009	ISBM-CA_S(freshwater)	11	ISBM	CA	0.201365
TM	NIC	2009	Esc_Stray	12	Esc_Stray	Either	0
TM	NIC	2009	Escapement	13	Esc	CA	0.453925
TM	NIC	2010	SEAK_T-N-S	1	AABM	US	0.004296
TM	NIC	2010	NBC-WCVI_T	2	AABM	CA	0.015464
TM	NIC	2010	NBC-WCVI_S	3	AABM	CA	0.002577
TM	NIC	2010	ISBM-CA_T-N	4	ISBM	CA	0
TM	NIC	2010	ISBM-CA_S(inside)	5	ISBM	CA	0
TM	NIC	2010	Fraser_N	6	ISBM	CA	0
TM	NIC	2010	ISBM-CA_S(SOG)	7	ISBM	CA	0.012028
TM	NIC	2010	ISBM-CA_S(JdF)	8	ISBM	CA	0.005584
TM	NIC	2010	ISBM-SUS_T-N-S	9	ISBM	US	0.012457
TM	NIC	2010	ISBM-CA_N(freshwater)	10	ISBM	CA	0.045962
TM	NIC	2010	ISBM-CA_S(freshwater)	11	ISBM	CA	0
TM	NIC	2010	Esc_Stray	12	Esc_Stray	Either	0
TM	NIC	2010	Escapement	13	Esc	CA	0.901632
TM	NIC	2011	SEAK_T-N-S	1	AABM	US	0
TM	NIC	2011	NBC-WCVI_T	2	AABM	CA	0.008785
TM	NIC	2011	NBC-WCVI_S	3	AABM	CA	0.004392
TM	NIC	2011	ISBM-CA_T-N	4	ISBM	CA	0
TM	NIC	2011	ISBM-CA_S(inside)	5	ISBM	CA	0
TM	NIC	2011	Fraser_N	6	ISBM	CA	0.004392
TM	NIC	2011	ISBM-CA_S(SOG)	7	ISBM	CA	0.019034
TM	NIC	2011	ISBM-CA_S(JdF)	8	ISBM	CA	0.02489
TM	NIC	2011	ISBM-SUS_T-N-S	9	ISBM	US	0.038067
TM	NIC	2011	ISBM-CA_N(freshwater)	10	ISBM	CA	0.038067
TM	NIC	2011	ISBM-CA_S(freshwater)	11	ISBM	CA	0.02489
TM	NIC	2011	Esc_Stray	12	Esc_Stray	Either	0

MortType	Stock	Year	Fishery	FisheryNun	FisheryTyp	FisheryCou	Prop_Mort
TM	NIC	2011	Escapement	13	Esc	CA	0.837482
TM	NIC	2012	SEAK_T-N-S	1	AABM	US	0
TM	NIC	2012	NBC-WCVI_T	2	AABM	CA	0.005533
TM	NIC	2012	NBC-WCVI_S	3	AABM	CA	0.008299
TM	NIC	2012	ISBM-CA_T-N	4	ISBM	CA	0
TM	NIC	2012	ISBM-CA_S(inside)	5	ISBM	CA	0
TM	NIC	2012	Fraser_N	6	ISBM	CA	0.005533
TM	NIC	2012	ISBM-CA_S(SOG)	7	ISBM	CA	0.023513
TM	NIC	2012	ISBM-CA_S(JdF)	8	ISBM	CA	0.017981
TM	NIC	2012	ISBM-SUS_T-N-S	9	ISBM	US	0.087137
TM	NIC	2012	ISBM-CA_N(freshwater)	10	ISBM	CA	0.171508
TM	NIC	2012	ISBM-CA_S(freshwater)	11	ISBM	CA	0.008299
TM	NIC	2012	Esc_Stray	12	Esc_Stray	Either	0
TM	NIC	2012	Escapement	13	Esc	CA	0.672199
TM	NIC	2013	SEAK_T-N-S	1	AABM	US	0
TM	NIC	2013	NBC-WCVI_T	2	AABM	CA	0.014325
TM	NIC	2013	NBC-WCVI_S	3	AABM	CA	0
TM	NIC	2013	ISBM-CA_T-N	4	ISBM	CA	0
TM	NIC	2013	ISBM-CA_S(inside)	5	ISBM	CA	0.002046
TM	NIC	2013	Fraser_N	6	ISBM	CA	0.005457
TM	NIC	2013	ISBM-CA_S(SOG)	7	ISBM	CA	0.011596
TM	NIC	2013	ISBM-CA_S(JdF)	8	ISBM	CA	0.034789
TM	NIC	2013	ISBM-SUS_T-N-S	9	ISBM	US	0.045703
TM	NIC	2013	ISBM-CA_N(freshwater)	10	ISBM	CA	0.015689
TM	NIC	2013	ISBM-CA_S(freshwater)	11	ISBM	CA	0
TM	NIC	2013	Esc_Stray	12	Esc_Stray	Either	0
TM	NIC	2013	Escapement	13	Esc	CA	0.870396
TM	NIC	2014	SEAK_T-N-S	1	AABM	US	0
TM	NIC	2014	NBC-WCVI_T	2	AABM	CA	0.020642
TM	NIC	2014	NBC-WCVI_S	3	AABM	CA	0
TM	NIC	2014	ISBM-CA_T-N	4	ISBM	CA	0
TM	NIC	2014	ISBM-CA_S(inside)	5	ISBM	CA	0
TM	NIC	2014	Fraser_N	6	ISBM	CA	0.016055
TM	NIC	2014	ISBM-CA_S(SOG)	7	ISBM	CA	0
TM	NIC	2014	ISBM-CA_S(JdF)	8	ISBM	CA	0.009174
TM	NIC	2014	ISBM-SUS_T-N-S	9	ISBM	US	0.016055
TM	NIC	2014	ISBM-CA_N(freshwater)	10	ISBM	CA	0.091743
TM	NIC	2014	ISBM-CA_S(freshwater)	11	ISBM	CA	0.009174
TM	NIC	2014	Esc_Stray	12	Esc_Stray	Either	0
TM	NIC	2014	Escapement	13	Esc	CA	0.837156
TM	NIC	2015	SEAK_T-N-S	1	AABM	US	0
TM	NIC	2015	NBC-WCVI_T	2	AABM	CA	0.005165
TM	NIC	2015	NBC-WCVI_S	3	AABM	CA	0.001937
TM	NIC	2015	ISBM-CA_T-N	4	ISBM	CA	0
TM	NIC	2015	ISBM-CA_S(inside)	5	ISBM	CA	0
TM	NIC	2015	Fraser_N	6	ISBM	CA	0.009038

MortType	Stock	Year	Fishery	FisheryNum	FisheryType	FisheryCou	Prop_Mort
TM	NIC	2015	ISBM-CA_S(SOG)	7	ISBM	CA	0.007747
TM	NIC	2015	ISBM-CA_S(JdF)	8	ISBM	CA	0.026469
TM	NIC	2015	ISBM-SUS_T-N-S	9	ISBM	US	0.018722
TM	NIC	2015	ISBM-CA_N(freshwater)	10	ISBM	CA	0.100065
TM	NIC	2015	ISBM-CA_S(freshwater)	11	ISBM	CA	0
TM	NIC	2015	Esc_Stray	12	Esc_Stray	Either	0
TM	NIC	2015	Escapement	13	Esc	CA	0.830859
TM	NIC	2016	SEAK_T-N-S	1	AABM	US	0.002056
TM	NIC	2016	NBC-WCVI_T	2	AABM	CA	0.026722
TM	NIC	2016	NBC-WCVI_S	3	AABM	CA	0
TM	NIC	2016	ISBM-CA_T-N	4	ISBM	CA	0
TM	NIC	2016	ISBM-CA_S(inside)	5	ISBM	CA	0
TM	NIC	2016	Fraser_N	6	ISBM	CA	0.007194
TM	NIC	2016	ISBM-CA_S(SOG)	7	ISBM	CA	0.025694
TM	NIC	2016	ISBM-CA_S(JdF)	8	ISBM	CA	0.076053
TM	NIC	2016	ISBM-SUS_T-N-S	9	ISBM	US	0.010278
TM	NIC	2016	ISBM-CA_N(freshwater)	10	ISBM	CA	0.100719
TM	NIC	2016	ISBM-CA_S(freshwater)	11	ISBM	CA	0
TM	NIC	2016	Esc_Stray	12	Esc_Stray	Either	0
TM	NIC	2016	Escapement	13	Esc	CA	0.751285
TM	NIC	2017	SEAK_T-N-S	1	AABM	US	0
TM	NIC	2017	NBC-WCVI_T	2	AABM	CA	0.022099
TM	NIC	2017	NBC-WCVI_S	3	AABM	CA	0
TM	NIC	2017	ISBM-CA_T-N	4	ISBM	CA	0
TM	NIC	2017	ISBM-CA_S(inside)	5	ISBM	CA	0
TM	NIC	2017	Fraser_N	6	ISBM	CA	0.001842
TM	NIC	2017	ISBM-CA_S(SOG)	7	ISBM	CA	0.015654
TM	NIC	2017	ISBM-CA_S(JdF)	8	ISBM	CA	0.018416
TM	NIC	2017	ISBM-SUS_T-N-S	9	ISBM	US	0.018416
TM	NIC	2017	ISBM-CA_N(freshwater)	10	ISBM	CA	0.076427
TM	NIC	2017	ISBM-CA_S(freshwater)	11	ISBM	CA	0
TM	NIC	2017	Esc_Stray	12	Esc_Stray	Either	0
TM	NIC	2017	Escapement	13	Esc	CA	0.847145
TM	NIC	2018	SEAK_T-N-S	1	AABM	US	0
TM	NIC	2018	NBC-WCVI_T	2	AABM	CA	0.009793
TM	NIC	2018	NBC-WCVI_S	3	AABM	CA	0.003264
TM	NIC	2018	ISBM-CA_T-N	4	ISBM	CA	0
TM	NIC	2018	ISBM-CA_S(inside)	5	ISBM	CA	0
TM	NIC	2018	Fraser_N	6	ISBM	CA	0.01197
TM	NIC	2018	ISBM-CA_S(SOG)	7	ISBM	CA	0.01741
TM	NIC	2018	ISBM-CA_S(JdF)	8	ISBM	CA	0.032644
TM	NIC	2018	ISBM-SUS_T-N-S	9	ISBM	US	0.016322
TM	NIC	2018	ISBM-CA_N(freshwater)	10	ISBM	CA	0.170838
TM	NIC	2018	ISBM-CA_S(freshwater)	11	ISBM	CA	0
TM	NIC	2018	Esc_Stray	12	Esc_Stray	Either	0
TM	NIC	2018	Escapement	13	Esc	CA	0.737758

MortType	Stock	Year	Fishery	FisheryNun	FisheryTyp	FisheryCou	Prop_Mort
LC	SHU	2009	SEAK_T-N-S	1	AABM	US	0.084177
LC	SHU	2009	NBC-WCVI_T	2	AABM	CA	0.062658
LC	SHU	2009	NBC-WCVI_S	3	AABM	CA	0.049367
LC	SHU	2009	ISBM-CA_T-N	4	ISBM	CA	0
LC	SHU	2009	ISBM-CA_S(inside)	5	ISBM	CA	0.005063
LC	SHU	2009	Fraser_N	6	ISBM	CA	0
LC	SHU	2009	ISBM-CA_S(SOG)	7	ISBM	CA	0.043038
LC	SHU	2009	ISBM-CA_S(JdF)	8	ISBM	CA	0.041772
LC	SHU	2009	ISBM-SUS_T-N-S	9	ISBM	US	0.003165
LC	SHU	2009	ISBM-CA_N(freshwater)	10	ISBM	CA	0.106962
LC	SHU	2009	ISBM-CA_S(freshwater)	11	ISBM	CA	0.062025
LC	SHU	2009	Esc_Stray	12	Esc_Stray	Either	0.002532
LC	SHU	2009	Escapement	13	Esc	CA	0.539241
LC	SHU	2010	SEAK_T-N-S	1	AABM	US	0.095313
LC	SHU	2010	NBC-WCVI_T	2	AABM	CA	0.090574
LC	SHU	2010	NBC-WCVI_S	3	AABM	CA	0.031069
LC	SHU	2010	ISBM-CA_T-N	4	ISBM	CA	0
LC	SHU	2010	ISBM-CA_S(inside)	5	ISBM	CA	0.00316
LC	SHU	2010	Fraser_N	6	ISBM	CA	0
LC	SHU	2010	ISBM-CA_S(SOG)	7	ISBM	CA	0.067404
LC	SHU	2010	ISBM-CA_S(JdF)	8	ISBM	CA	0.022117
LC	SHU	2010	ISBM-SUS_T-N-S	9	ISBM	US	0.020537
LC	SHU	2010	ISBM-CA_N(freshwater)	10	ISBM	CA	0.100053
LC	SHU	2010	ISBM-CA_S(freshwater)	11	ISBM	CA	0.019484
LC	SHU	2010	Esc_Stray	12	Esc_Stray	Either	0.012638
LC	SHU	2010	Escapement	13	Esc	CA	0.537651
LC	SHU	2011	SEAK_T-N-S	1	AABM	US	0.086047
LC	SHU	2011	NBC-WCVI_T	2	AABM	CA	0.075
LC	SHU	2011	NBC-WCVI_S	3	AABM	CA	0.040116
LC	SHU	2011	ISBM-CA_T-N	4	ISBM	CA	0
LC	SHU	2011	ISBM-CA_S(inside)	5	ISBM	CA	0.002326
LC	SHU	2011	Fraser_N	6	ISBM	CA	0.009884
LC	SHU	2011	ISBM-CA_S(SOG)	7	ISBM	CA	0.038372
LC	SHU	2011	ISBM-CA_S(JdF)	8	ISBM	CA	0.036628
LC	SHU	2011	ISBM-SUS_T-N-S	9	ISBM	US	0.011047
LC	SHU	2011	ISBM-CA_N(freshwater)	10	ISBM	CA	0.1
LC	SHU	2011	ISBM-CA_S(freshwater)	11	ISBM	CA	0.02907
LC	SHU	2011	Esc_Stray	12	Esc_Stray	Either	0.000581
LC	SHU	2011	Escapement	13	Esc	CA	0.57093
LC	SHU	2012	SEAK_T-N-S	1	AABM	US	0.064441
LC	SHU	2012	NBC-WCVI_T	2	AABM	CA	0.072642
LC	SHU	2012	NBC-WCVI_S	3	AABM	CA	0.039836
LC	SHU	2012	ISBM-CA_T-N	4	ISBM	CA	0
LC	SHU	2012	ISBM-CA_S(inside)	5	ISBM	CA	0.008787
LC	SHU	2012	Fraser_N	6	ISBM	CA	0.004101
LC	SHU	2012	ISBM-CA_S(SOG)	7	ISBM	CA	0.049795

MortType	Stock	Year	Fishery	FisheryNun	FisheryTyp	FisheryCou	Prop_Mort
LC	SHU	2012	ISBM-CA_S(JdF)	8	ISBM	CA	0.041593
LC	SHU	2012	ISBM-SUS_T-N-S	9	ISBM	US	0.015231
LC	SHU	2012	ISBM-CA_N(freshwater)	10	ISBM	CA	0.050967
LC	SHU	2012	ISBM-CA_S(freshwater)	11	ISBM	CA	0.052138
LC	SHU	2012	Esc_Stray	12	Esc_Stray	Either	0
LC	SHU	2012	Escapement	13	Esc	CA	0.600469
LC	SHU	2013	SEAK_T-N-S	1	AABM	US	0.058164
LC	SHU	2013	NBC-WCVI_T	2	AABM	CA	0.060432
LC	SHU	2013	NBC-WCVI_S	3	AABM	CA	0.037887
LC	SHU	2013	ISBM-CA_T-N	4	ISBM	CA	0
LC	SHU	2013	ISBM-CA_S(inside)	5	ISBM	CA	0.004936
LC	SHU	2013	Fraser_N	6	ISBM	CA	0.006937
LC	SHU	2013	ISBM-CA_S(SOG)	7	ISBM	CA	0.042956
LC	SHU	2013	ISBM-CA_S(JdF)	8	ISBM	CA	0.051761
LC	SHU	2013	ISBM-SUS_T-N-S	9	ISBM	US	0.014274
LC	SHU	2013	ISBM-CA_N(freshwater)	10	ISBM	CA	0.027215
LC	SHU	2013	ISBM-CA_S(freshwater)	11	ISBM	CA	0.021078
LC	SHU	2013	Esc_Stray	12	Esc_Stray	Either	0.010005
LC	SHU	2013	Escapement	13	Esc	CA	0.664354
LC	SHU	2014	SEAK_T-N-S	1	AABM	US	0.107796
LC	SHU	2014	NBC-WCVI_T	2	AABM	CA	0.097155
LC	SHU	2014	NBC-WCVI_S	3	AABM	CA	0.037011
LC	SHU	2014	ISBM-CA_T-N	4	ISBM	CA	0.000694
LC	SHU	2014	ISBM-CA_S(inside)	5	ISBM	CA	0.003238
LC	SHU	2014	Fraser_N	6	ISBM	CA	0.012954
LC	SHU	2014	ISBM-CA_S(SOG)	7	ISBM	CA	0.028221
LC	SHU	2014	ISBM-CA_S(JdF)	8	ISBM	CA	0.022438
LC	SHU	2014	ISBM-SUS_T-N-S	9	ISBM	US	0.035161
LC	SHU	2014	ISBM-CA_N(freshwater)	10	ISBM	CA	0.086745
LC	SHU	2014	ISBM-CA_S(freshwater)	11	ISBM	CA	0.018043
LC	SHU	2014	Esc_Stray	12	Esc_Stray	Either	0.009715
LC	SHU	2014	Escapement	13	Esc	CA	0.540828
LC	SHU	2015	SEAK_T-N-S	1	AABM	US	0.061522
LC	SHU	2015	NBC-WCVI_T	2	AABM	CA	0.038165
LC	SHU	2015	NBC-WCVI_S	3	AABM	CA	0.022106
LC	SHU	2015	ISBM-CA_T-N	4	ISBM	CA	0
LC	SHU	2015	ISBM-CA_S(inside)	5	ISBM	CA	0.007508
LC	SHU	2015	Fraser_N	6	ISBM	CA	0.004797
LC	SHU	2015	ISBM-CA_S(SOG)	7	ISBM	CA	0.042127
LC	SHU	2015	ISBM-CA_S(JdF)	8	ISBM	CA	0.0317
LC	SHU	2015	ISBM-SUS_T-N-S	9	ISBM	US	0.042753
LC	SHU	2015	ISBM-CA_N(freshwater)	10	ISBM	CA	0.030657
LC	SHU	2015	ISBM-CA_S(freshwater)	11	ISBM	CA	0.029823
LC	SHU	2015	Esc_Stray	12	Esc_Stray	Either	0.01439
LC	SHU	2015	Escapement	13	Esc	CA	0.674453
LC	SHU	2016	SEAK_T-N-S	1	AABM	US	0.102449

MortType	Stock	Year	Fishery	FisheryNun	FisheryType	FisheryCou	Prop_Mort
LC	SHU	2016	NBC-WCVI_T	2	AABM	CA	0.098451
LC	SHU	2016	NBC-WCVI_S	3	AABM	CA	0.029985
LC	SHU	2016	ISBM-CA_T-N	4	ISBM	CA	0
LC	SHU	2016	ISBM-CA_S(inside)	5	ISBM	CA	0.004998
LC	SHU	2016	Fraser_N	6	ISBM	CA	0.003998
LC	SHU	2016	ISBM-CA_S(SOG)	7	ISBM	CA	0.047976
LC	SHU	2016	ISBM-CA_S(JdF)	8	ISBM	CA	0.005997
LC	SHU	2016	ISBM-SUS_T-N-S	9	ISBM	US	0.008496
LC	SHU	2016	ISBM-CA_N(freshwater)	10	ISBM	CA	0.027486
LC	SHU	2016	ISBM-CA_S(freshwater)	11	ISBM	CA	0.011994
LC	SHU	2016	Esc_Stray	12	Esc_Stray	Either	0
LC	SHU	2016	Escapement	13	Esc	CA	0.658171
LC	SHU	2017	SEAK_T-N-S	1	AABM	US	0.110403
LC	SHU	2017	NBC-WCVI_T	2	AABM	CA	0.081741
LC	SHU	2017	NBC-WCVI_S	3	AABM	CA	0.051309
LC	SHU	2017	ISBM-CA_T-N	4	ISBM	CA	0
LC	SHU	2017	ISBM-CA_S(inside)	5	ISBM	CA	0.005662
LC	SHU	2017	Fraser_N	6	ISBM	CA	0.002477
LC	SHU	2017	ISBM-CA_S(SOG)	7	ISBM	CA	0.072895
LC	SHU	2017	ISBM-CA_S(JdF)	8	ISBM	CA	0.026893
LC	SHU	2017	ISBM-SUS_T-N-S	9	ISBM	US	0.014508
LC	SHU	2017	ISBM-CA_N(freshwater)	10	ISBM	CA	0.029724
LC	SHU	2017	ISBM-CA_S(freshwater)	11	ISBM	CA	0.016985
LC	SHU	2017	Esc_Stray	12	Esc_Stray	Either	0.005308
LC	SHU	2017	Escapement	13	Esc	CA	0.582095
LC	SHU	2018	SEAK_T-N-S	1	AABM	US	0.042866
LC	SHU	2018	NBC-WCVI_T	2	AABM	CA	0.037823
LC	SHU	2018	NBC-WCVI_S	3	AABM	CA	0.035932
LC	SHU	2018	ISBM-CA_T-N	4	ISBM	CA	0
LC	SHU	2018	ISBM-CA_S(inside)	5	ISBM	CA	0.000841
LC	SHU	2018	Fraser_N	6	ISBM	CA	0.005673
LC	SHU	2018	ISBM-CA_S(SOG)	7	ISBM	CA	0.043497
LC	SHU	2018	ISBM-CA_S(JdF)	8	ISBM	CA	0.042026
LC	SHU	2018	ISBM-SUS_T-N-S	9	ISBM	US	0.010296
LC	SHU	2018	ISBM-CA_N(freshwater)	10	ISBM	CA	0.04938
LC	SHU	2018	ISBM-CA_S(freshwater)	11	ISBM	CA	0.028367
LC	SHU	2018	Esc_Stray	12	Esc_Stray	Either	0.003152
LC	SHU	2018	Escapement	13	Esc	CA	0.700147
TM	SHU	2009	SEAK_T-N-S	1	AABM	US	0.104672
TM	SHU	2009	NBC-WCVI_T	2	AABM	CA	0.072147
TM	SHU	2009	NBC-WCVI_S	3	AABM	CA	0.056771
TM	SHU	2009	ISBM-CA_T-N	4	ISBM	CA	0
TM	SHU	2009	ISBM-CA_S(inside)	5	ISBM	CA	0.005914
TM	SHU	2009	Fraser_N	6	ISBM	CA	0
TM	SHU	2009	ISBM-CA_S(SOG)	7	ISBM	CA	0.047309
TM	SHU	2009	ISBM-CA_S(JdF)	8	ISBM	CA	0.041396

MortType	Stock	Year	Fishery	FisheryNun	FisheryTyp	FisheryCou	Prop_Mort
TM	SHU	2009	ISBM-SUS_T-N-S	9	ISBM	US	0.00414
TM	SHU	2009	ISBM-CA_N(freshwater)	10	ISBM	CA	0.099941
TM	SHU	2009	ISBM-CA_S(freshwater)	11	ISBM	CA	0.061502
TM	SHU	2009	Esc_Stray	12	Esc_Stray	Either	0.002365
TM	SHU	2009	Escapement	13	Esc	CA	0.503844
TM	SHU	2010	SEAK_T-N-S	1	AABM	US	0.11358
TM	SHU	2010	NBC-WCVI_T	2	AABM	CA	0.104691
TM	SHU	2010	NBC-WCVI_S	3	AABM	CA	0.036049
TM	SHU	2010	ISBM-CA_T-N	4	ISBM	CA	0
TM	SHU	2010	ISBM-CA_S(inside)	5	ISBM	CA	0.002963
TM	SHU	2010	Fraser_N	6	ISBM	CA	0
TM	SHU	2010	ISBM-CA_S(SOG)	7	ISBM	CA	0.072099
TM	SHU	2010	ISBM-CA_S(JdF)	8	ISBM	CA	0.022222
TM	SHU	2010	ISBM-SUS_T-N-S	9	ISBM	US	0.019259
TM	SHU	2010	ISBM-CA_N(freshwater)	10	ISBM	CA	0.093827
TM	SHU	2010	ISBM-CA_S(freshwater)	11	ISBM	CA	0.019259
TM	SHU	2010	Esc_Stray	12	Esc_Stray	Either	0.011852
TM	SHU	2010	Escapement	13	Esc	CA	0.504198
TM	SHU	2011	SEAK_T-N-S	1	AABM	US	0.099838
TM	SHU	2011	NBC-WCVI_T	2	AABM	CA	0.089045
TM	SHU	2011	NBC-WCVI_S	3	AABM	CA	0.050729
TM	SHU	2011	ISBM-CA_T-N	4	ISBM	CA	0
TM	SHU	2011	ISBM-CA_S(inside)	5	ISBM	CA	0.002698
TM	SHU	2011	Fraser_N	6	ISBM	CA	0.012412
TM	SHU	2011	ISBM-CA_S(SOG)	7	ISBM	CA	0.042094
TM	SHU	2011	ISBM-CA_S(JdF)	8	ISBM	CA	0.038316
TM	SHU	2011	ISBM-SUS_T-N-S	9	ISBM	US	0.012952
TM	SHU	2011	ISBM-CA_N(freshwater)	10	ISBM	CA	0.092823
TM	SHU	2011	ISBM-CA_S(freshwater)	11	ISBM	CA	0.028602
TM	SHU	2011	Esc_Stray	12	Esc_Stray	Either	0.00054
TM	SHU	2011	Escapement	13	Esc	CA	0.529951
TM	SHU	2012	SEAK_T-N-S	1	AABM	US	0.094233
TM	SHU	2012	NBC-WCVI_T	2	AABM	CA	0.085994
TM	SHU	2012	NBC-WCVI_S	3	AABM	CA	0.056128
TM	SHU	2012	ISBM-CA_T-N	4	ISBM	CA	0
TM	SHU	2012	ISBM-CA_S(inside)	5	ISBM	CA	0.010299
TM	SHU	2012	Fraser_N	6	ISBM	CA	0.003605
TM	SHU	2012	ISBM-CA_S(SOG)	7	ISBM	CA	0.056643
TM	SHU	2012	ISBM-CA_S(JdF)	8	ISBM	CA	0.040165
TM	SHU	2012	ISBM-SUS_T-N-S	9	ISBM	US	0.031411
TM	SHU	2012	ISBM-CA_N(freshwater)	10	ISBM	CA	0.044799
TM	SHU	2012	ISBM-CA_S(freshwater)	11	ISBM	CA	0.048919
TM	SHU	2012	Esc_Stray	12	Esc_Stray	Either	0
TM	SHU	2012	Escapement	13	Esc	CA	0.527806
TM	SHU	2013	SEAK_T-N-S	1	AABM	US	0.079626
TM	SHU	2013	NBC-WCVI_T	2	AABM	CA	0.077073

MortType	Stock	Year	Fishery	FisheryNun	FisheryType	FisheryCou	Prop_Mort
TM	SHU	2013	NBC-WCVI_S	3	AABM	CA	0.044858
TM	SHU	2013	ISBM-CA_T-N	4	ISBM	CA	0.000122
TM	SHU	2013	ISBM-CA_S(inside)	5	ISBM	CA	0.005227
TM	SHU	2013	Fraser_N	6	ISBM	CA	0.016168
TM	SHU	2013	ISBM-CA_S(SOG)	7	ISBM	CA	0.050328
TM	SHU	2013	ISBM-CA_S(JdF)	8	ISBM	CA	0.050571
TM	SHU	2013	ISBM-SUS_T-N-S	9	ISBM	US	0.01629
TM	SHU	2013	ISBM-CA_N(freshwater)	10	ISBM	CA	0.024799
TM	SHU	2013	ISBM-CA_S(freshwater)	11	ISBM	CA	0.020423
TM	SHU	2013	Esc_Stray	12	Esc_Stray	Either	0.009117
TM	SHU	2013	Escapement	13	Esc	CA	0.605398
TM	SHU	2014	SEAK_T-N-S	1	AABM	US	0.12042
TM	SHU	2014	NBC-WCVI_T	2	AABM	CA	0.10435
TM	SHU	2014	NBC-WCVI_S	3	AABM	CA	0.042854
TM	SHU	2014	ISBM-CA_T-N	4	ISBM	CA	0.008999
TM	SHU	2014	ISBM-CA_S(inside)	5	ISBM	CA	0.003214
TM	SHU	2014	Fraser_N	6	ISBM	CA	0.021427
TM	SHU	2014	ISBM-CA_S(SOG)	7	ISBM	CA	0.029355
TM	SHU	2014	ISBM-CA_S(JdF)	8	ISBM	CA	0.022498
TM	SHU	2014	ISBM-SUS_T-N-S	9	ISBM	US	0.038783
TM	SHU	2014	ISBM-CA_N(freshwater)	10	ISBM	CA	0.080351
TM	SHU	2014	ISBM-CA_S(freshwater)	11	ISBM	CA	0.017784
TM	SHU	2014	Esc_Stray	12	Esc_Stray	Either	0.008999
TM	SHU	2014	Escapement	13	Esc	CA	0.500964
TM	SHU	2015	SEAK_T-N-S	1	AABM	US	0.071842
TM	SHU	2015	NBC-WCVI_T	2	AABM	CA	0.042507
TM	SHU	2015	NBC-WCVI_S	3	AABM	CA	0.02714
TM	SHU	2015	ISBM-CA_T-N	4	ISBM	CA	0
TM	SHU	2015	ISBM-CA_S(inside)	5	ISBM	CA	0.008182
TM	SHU	2015	Fraser_N	6	ISBM	CA	0.004989
TM	SHU	2015	ISBM-CA_S(SOG)	7	ISBM	CA	0.046298
TM	SHU	2015	ISBM-CA_S(JdF)	8	ISBM	CA	0.032329
TM	SHU	2015	ISBM-SUS_T-N-S	9	ISBM	US	0.047695
TM	SHU	2015	ISBM-CA_N(freshwater)	10	ISBM	CA	0.029336
TM	SHU	2015	ISBM-CA_S(freshwater)	11	ISBM	CA	0.030533
TM	SHU	2015	Esc_Stray	12	Esc_Stray	Either	0.01377
TM	SHU	2015	Escapement	13	Esc	CA	0.64538
TM	SHU	2016	SEAK_T-N-S	1	AABM	US	0.122316
TM	SHU	2016	NBC-WCVI_T	2	AABM	CA	0.109244
TM	SHU	2016	NBC-WCVI_S	3	AABM	CA	0.036881
TM	SHU	2016	ISBM-CA_T-N	4	ISBM	CA	0
TM	SHU	2016	ISBM-CA_S(inside)	5	ISBM	CA	0.005135
TM	SHU	2016	Fraser_N	6	ISBM	CA	0.003735
TM	SHU	2016	ISBM-CA_S(SOG)	7	ISBM	CA	0.054155
TM	SHU	2016	ISBM-CA_S(JdF)	8	ISBM	CA	0.006069
TM	SHU	2016	ISBM-SUS_T-N-S	9	ISBM	US	0.010271

MortType	Stock	Year	Fishery	FisheryNum	FisheryType	FisheryCou	Prop_Mort
TM	SHU	2016	ISBM-CA_N(freshwater)	10	ISBM	CA	0.025677
TM	SHU	2016	ISBM-CA_S(freshwater)	11	ISBM	CA	0.011671
TM	SHU	2016	Esc_Stray	12	Esc_Stray	Either	0
TM	SHU	2016	Escapement	13	Esc	CA	0.614846
TM	SHU	2017	SEAK_T-N-S	1	AABM	US	0.137435
TM	SHU	2017	NBC-WCVI_T	2	AABM	CA	0.090314
TM	SHU	2017	NBC-WCVI_S	3	AABM	CA	0.056283
TM	SHU	2017	ISBM-CA_T-N	4	ISBM	CA	0
TM	SHU	2017	ISBM-CA_S(inside)	5	ISBM	CA	0.005563
TM	SHU	2017	Fraser_N	6	ISBM	CA	0.002291
TM	SHU	2017	ISBM-CA_S(SOG)	7	ISBM	CA	0.078861
TM	SHU	2017	ISBM-CA_S(JdF)	8	ISBM	CA	0.026505
TM	SHU	2017	ISBM-SUS_T-N-S	9	ISBM	US	0.01538
TM	SHU	2017	ISBM-CA_N(freshwater)	10	ISBM	CA	0.027487
TM	SHU	2017	ISBM-CA_S(freshwater)	11	ISBM	CA	0.016689
TM	SHU	2017	Esc_Stray	12	Esc_Stray	Either	0.004908
TM	SHU	2017	Escapement	13	Esc	CA	0.538285
TM	SHU	2018	SEAK_T-N-S	1	AABM	US	0.05575
TM	SHU	2018	NBC-WCVI_T	2	AABM	CA	0.043124
TM	SHU	2018	NBC-WCVI_S	3	AABM	CA	0.052059
TM	SHU	2018	ISBM-CA_T-N	4	ISBM	CA	0
TM	SHU	2018	ISBM-CA_S(inside)	5	ISBM	CA	0.001166
TM	SHU	2018	Fraser_N	6	ISBM	CA	0.013986
TM	SHU	2018	ISBM-CA_S(SOG)	7	ISBM	CA	0.051671
TM	SHU	2018	ISBM-CA_S(JdF)	8	ISBM	CA	0.043318
TM	SHU	2018	ISBM-SUS_T-N-S	9	ISBM	US	0.015152
TM	SHU	2018	ISBM-CA_N(freshwater)	10	ISBM	CA	0.045649
TM	SHU	2018	ISBM-CA_S(freshwater)	11	ISBM	CA	0.027972
TM	SHU	2018	Esc_Stray	12	Esc_Stray	Either	0.002914
TM	SHU	2018	Escapement	13	Esc	CA	0.647242